

FIG. 2 (a)

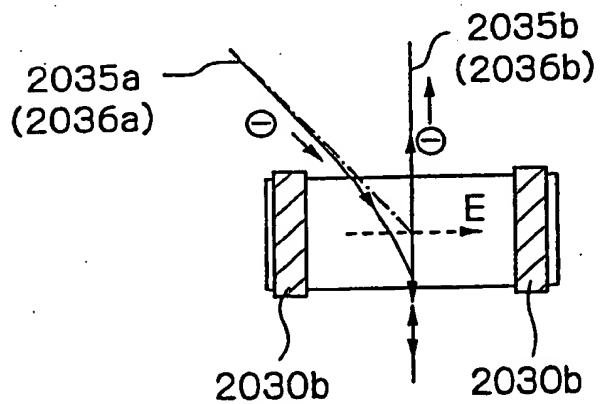


FIG. 2 (b)

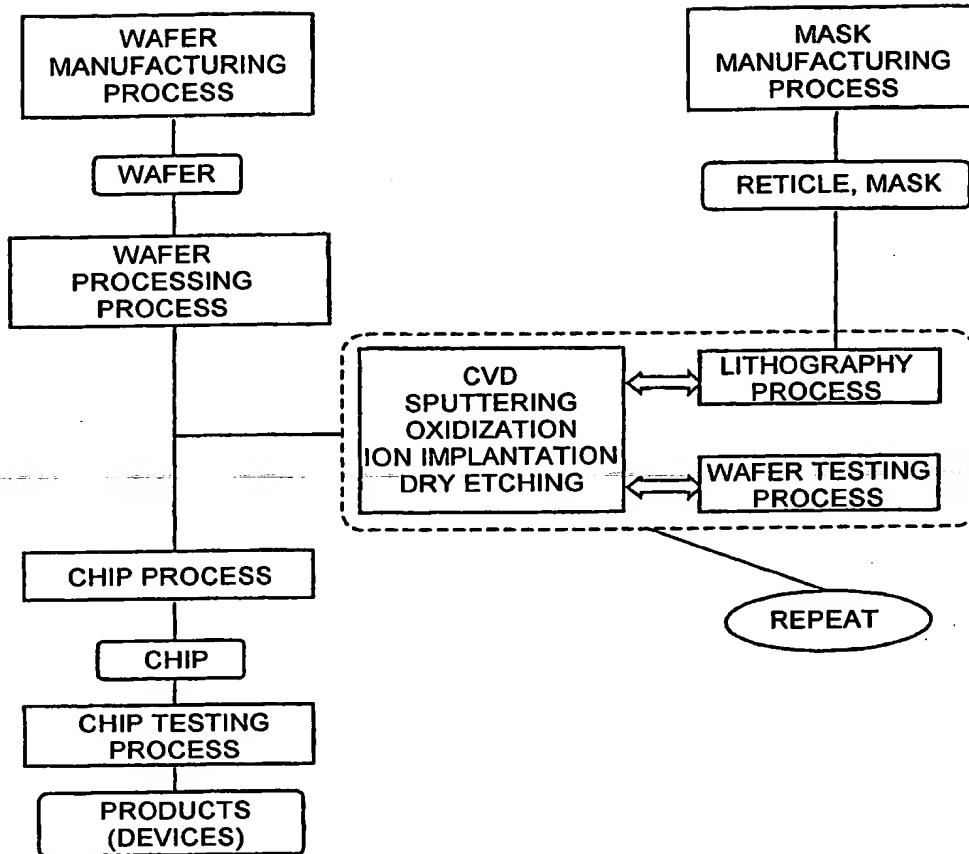


FIG. 3

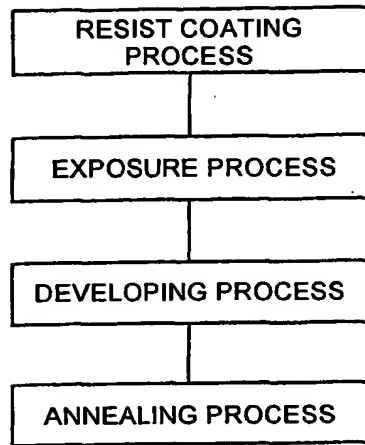


FIG. 4(a)

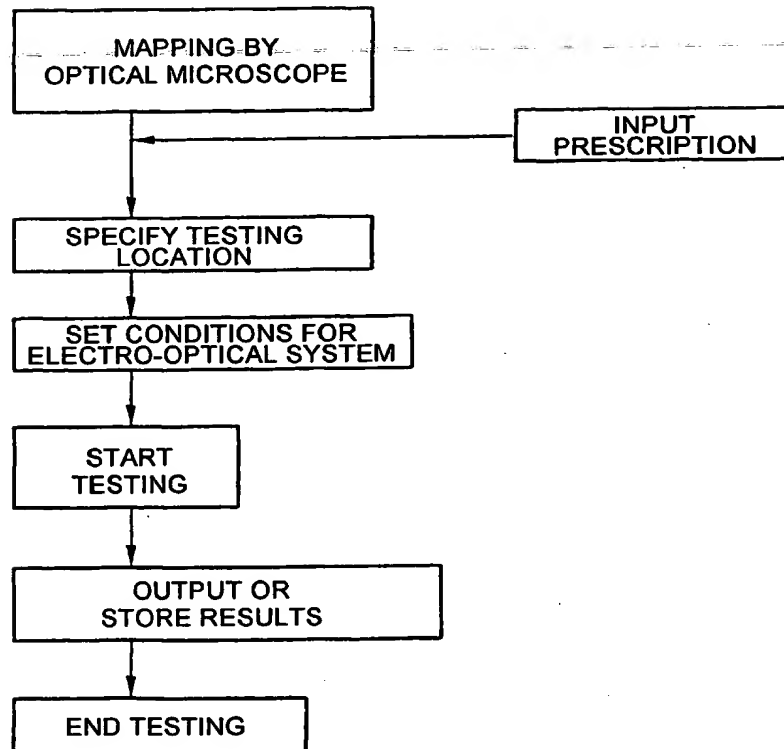


FIG. 4(b)



TOP SECRET

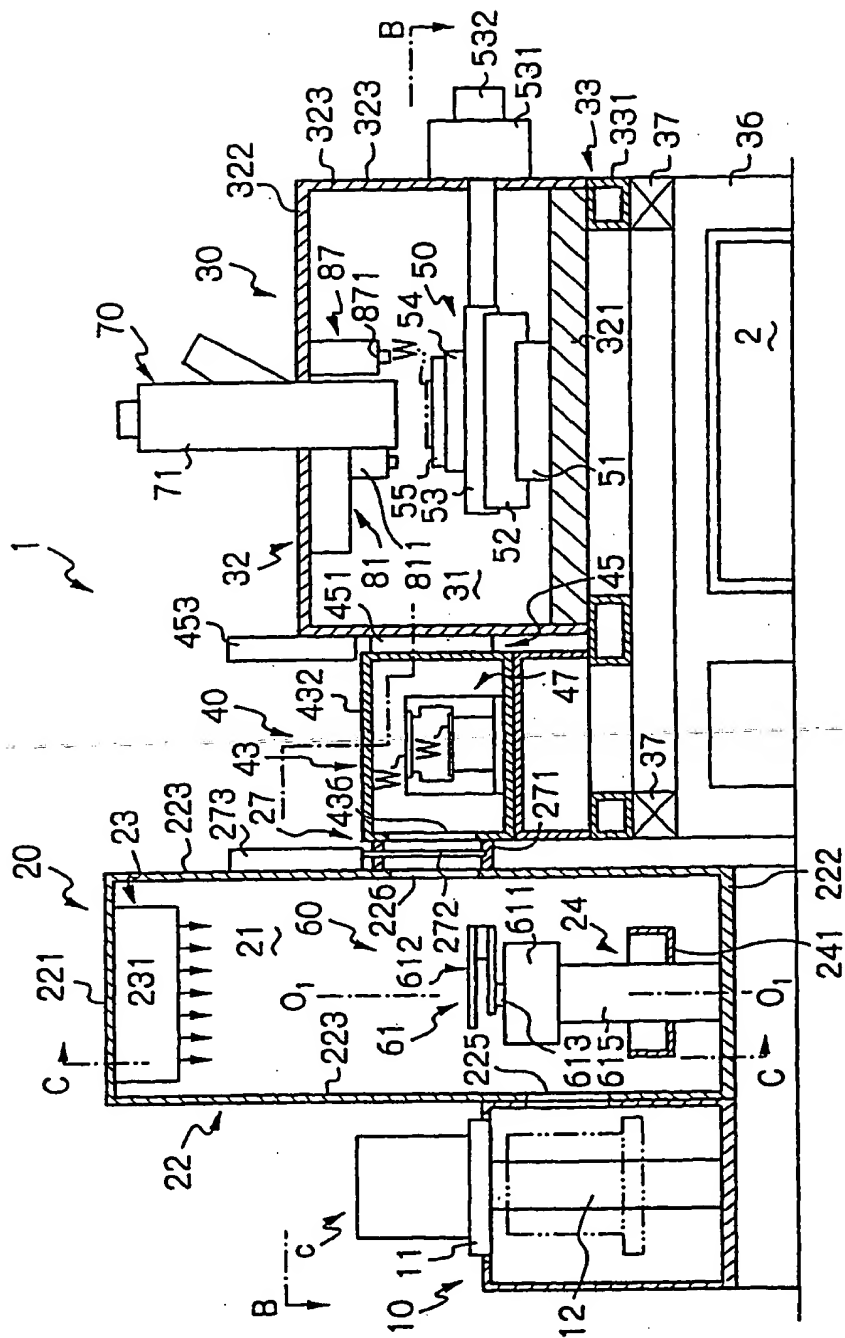


FIG. 5



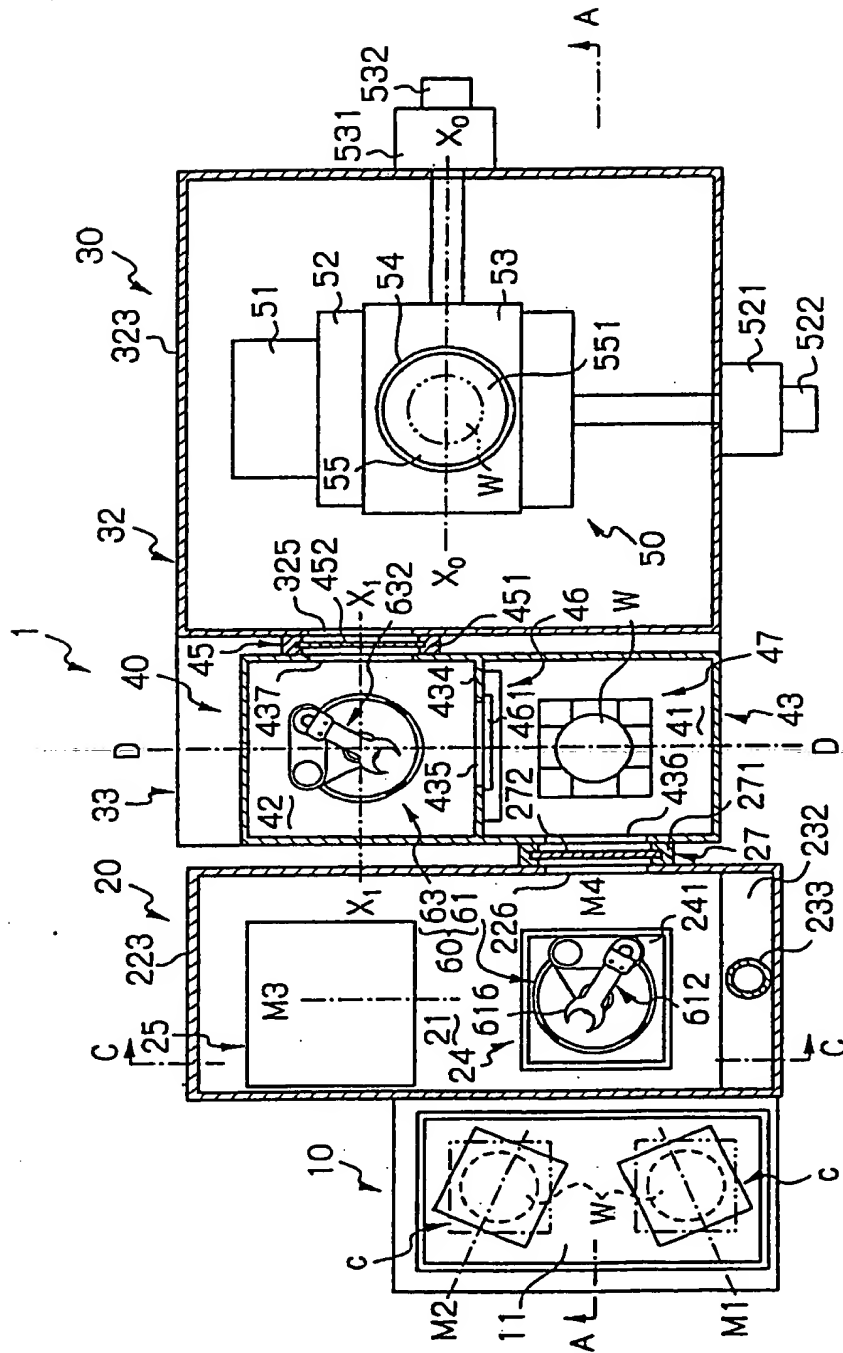


FIG. 6(a)



FIG. 6(b)

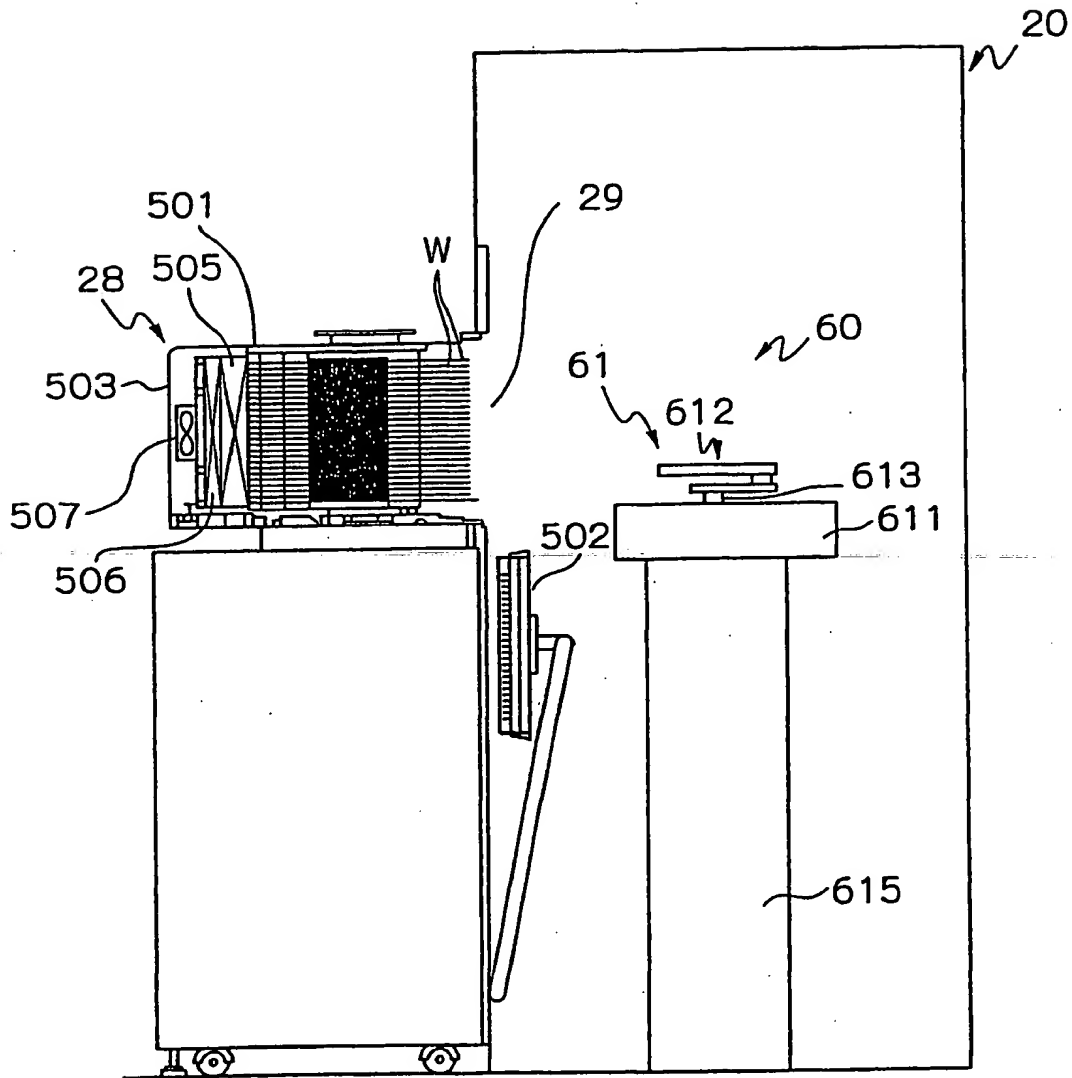


FIG. 6(b)

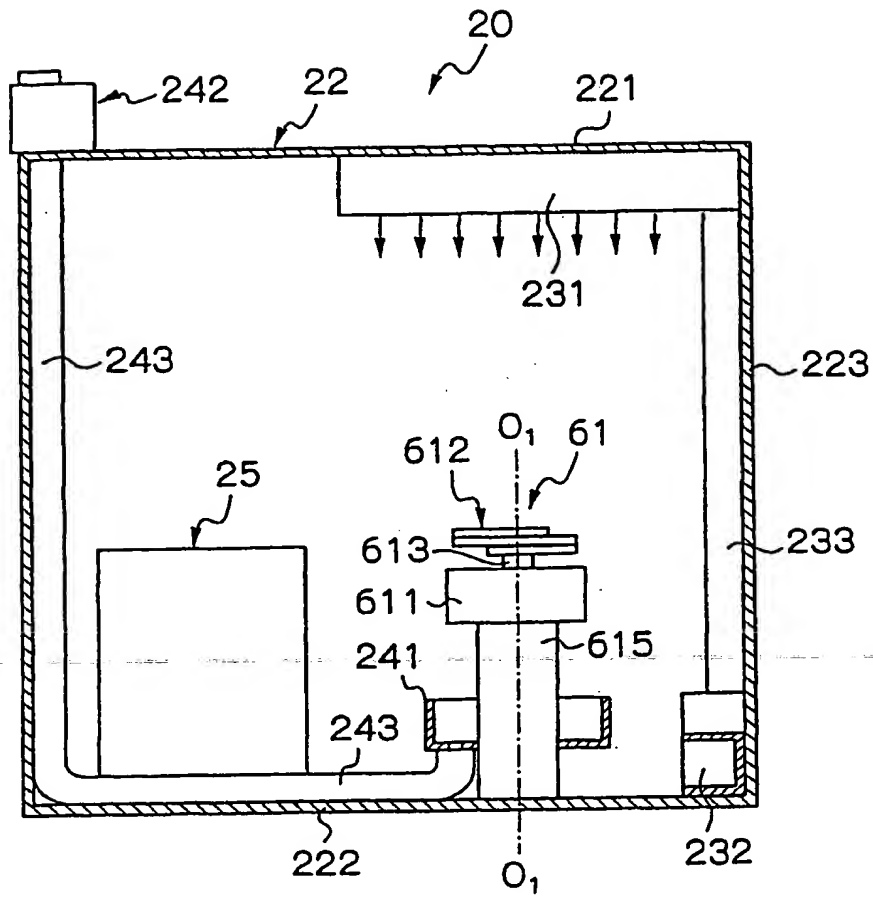


FIG. 7

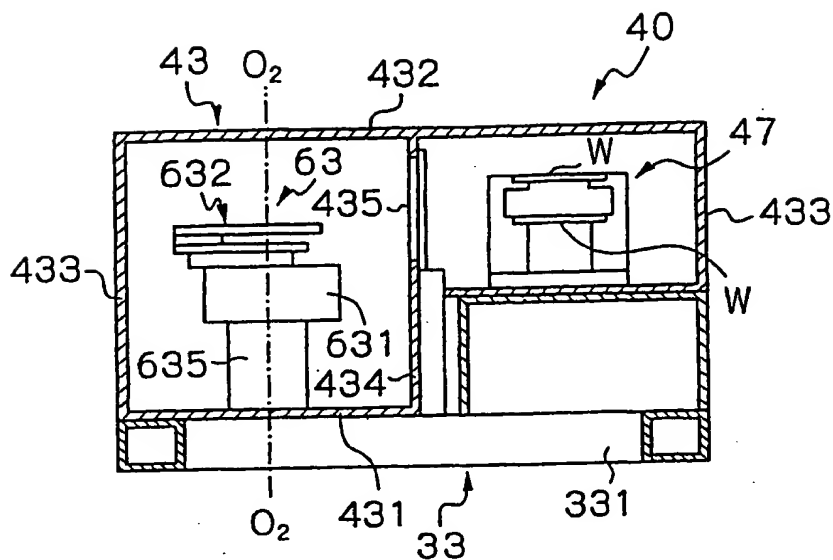


FIG. 8

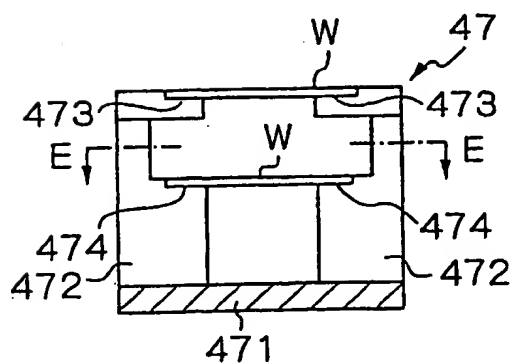


FIG. 9 [A]

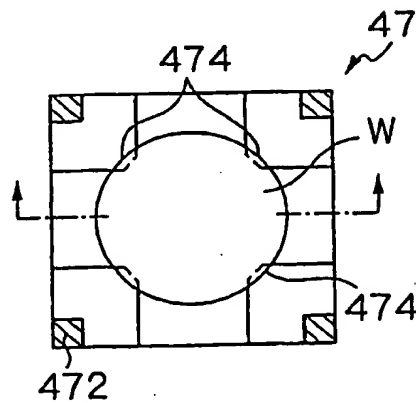


FIG. 9 [B]

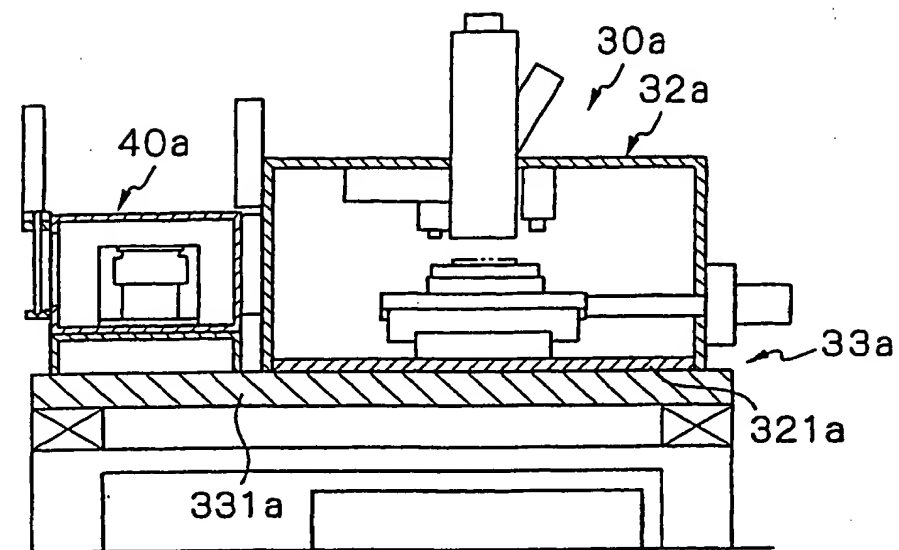


FIG. 10 [A]

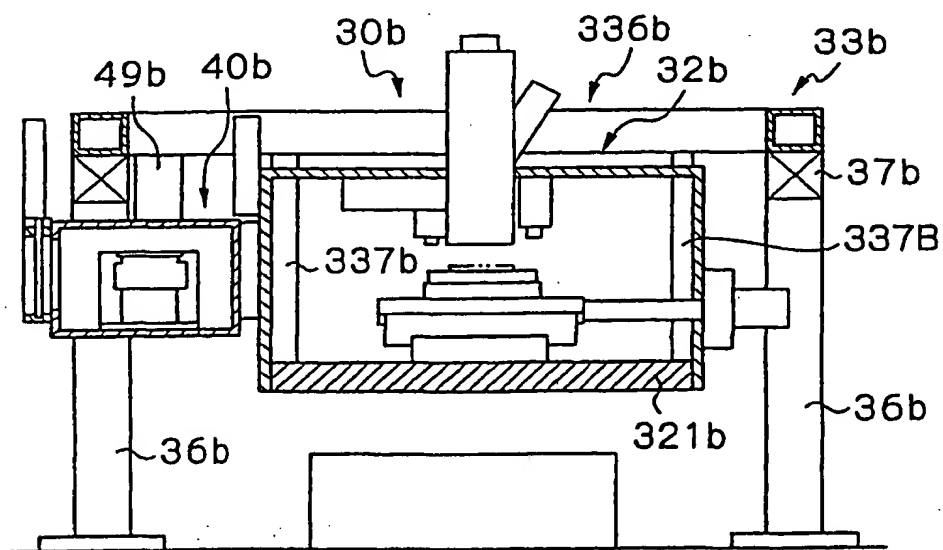


FIG. 10 [B]

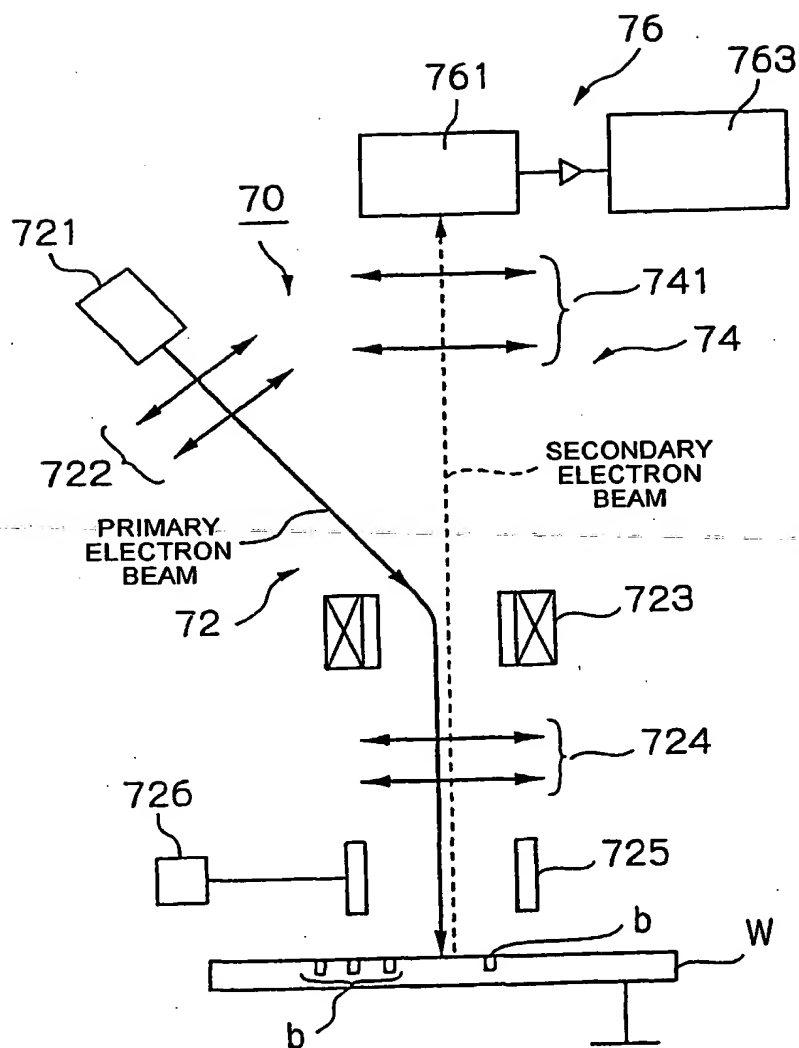


FIG. 11

Patent No. 6,860,000

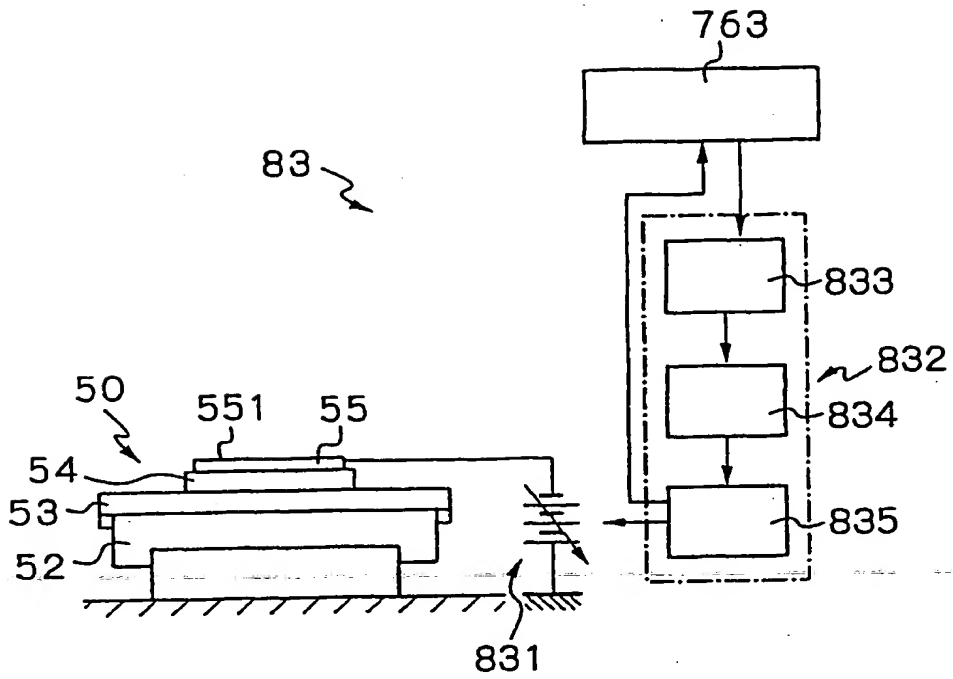
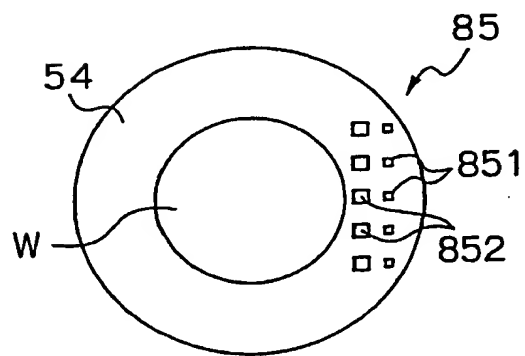


FIG. 12



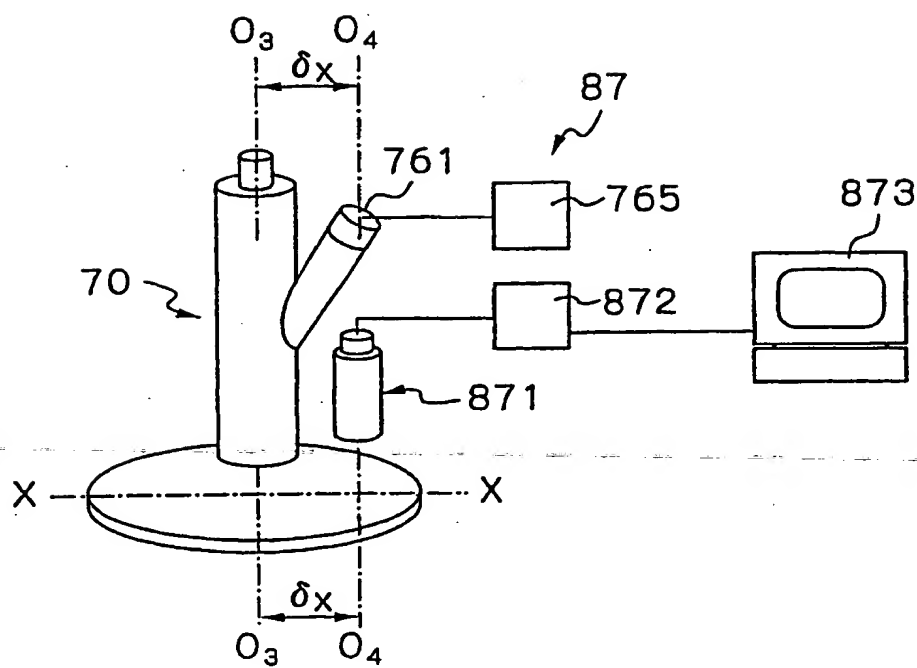


FIG. 14

01/03 3910
 10/11/03
 10/11/03
 10/11/03

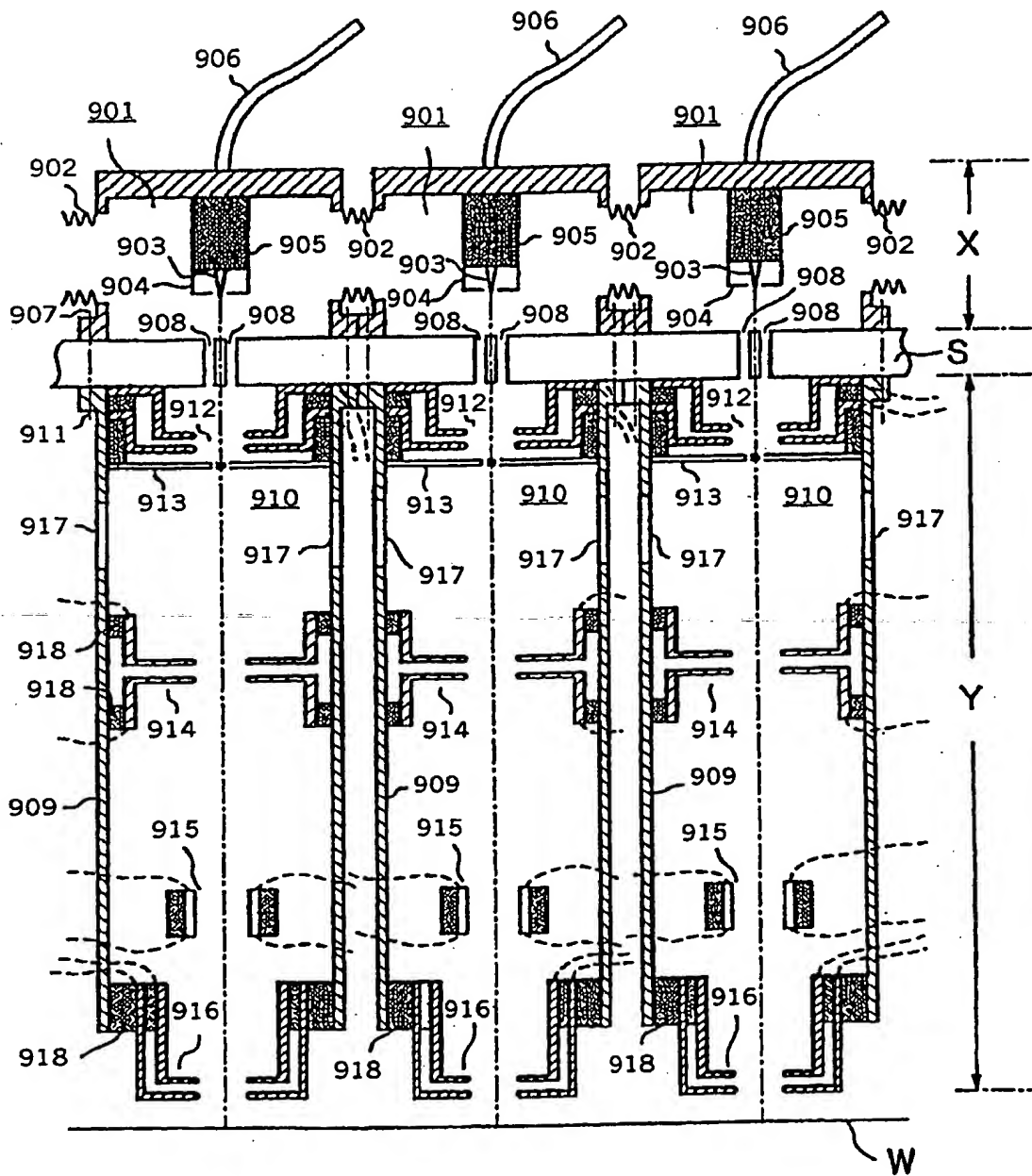


FIG. 15

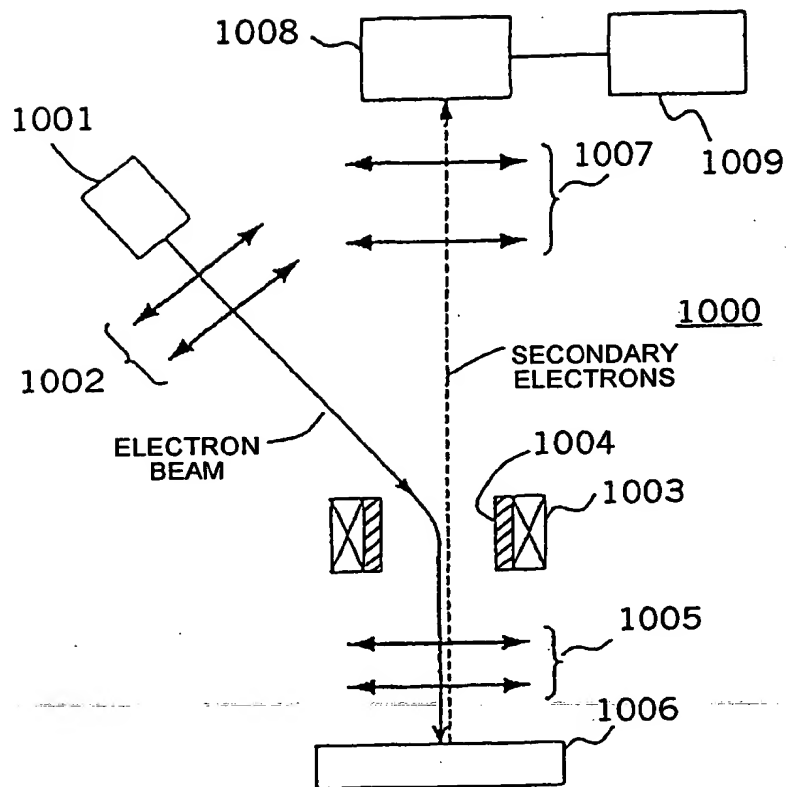


FIG. 16

BREAKDOWN OCCURRENCE
PROBABILITY FOR EACH METAL

METAL	WORK FUNCTION [eV]	BREAKDOWN OCCU- RRENCE PROBABILITY
ALUMINUM	4. 2	HIGH
GOLD	4. 9	MIDDLE
PLATINUM	5. 3	LOW

FIG. 17

00001612 102304

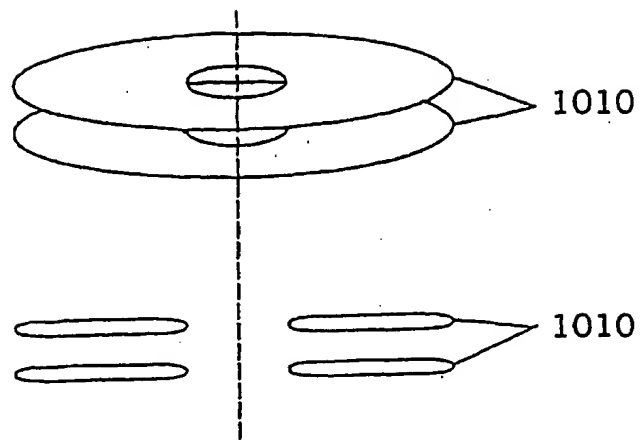


FIG. 18

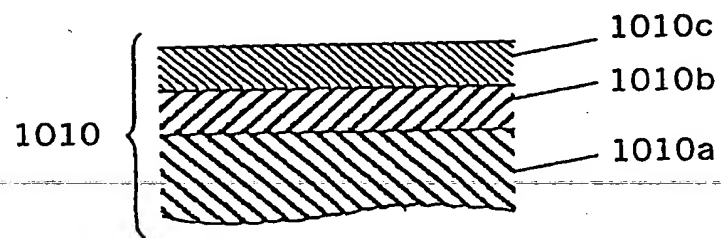


FIG. 19

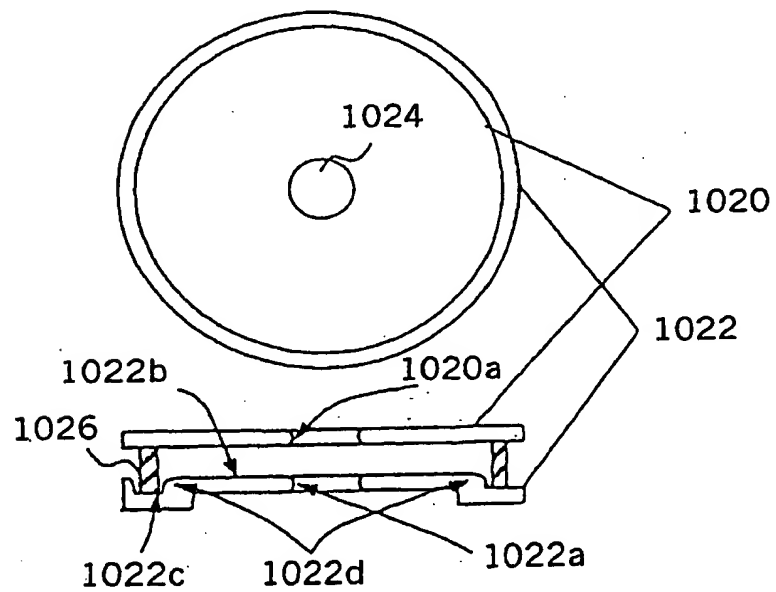


FIG. 20

FIG. 18

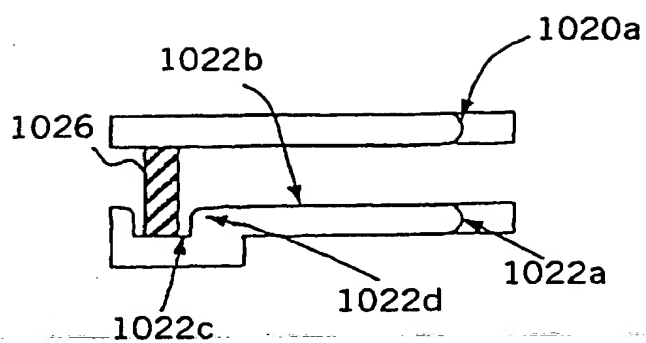


FIG. 21

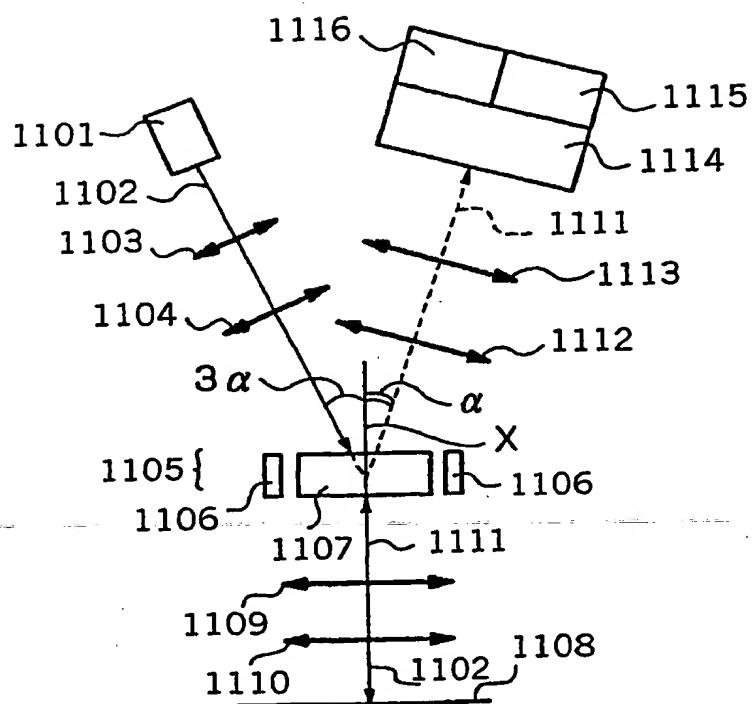


FIG. 22

A circular ink stamp from the Patent & Trademark Office. The text "PATENT & TRADEMARK OFFICE" is curved along the bottom inner edge. The year "1910" is at the top. In the center, the date "JUN 1 1910" is stamped.

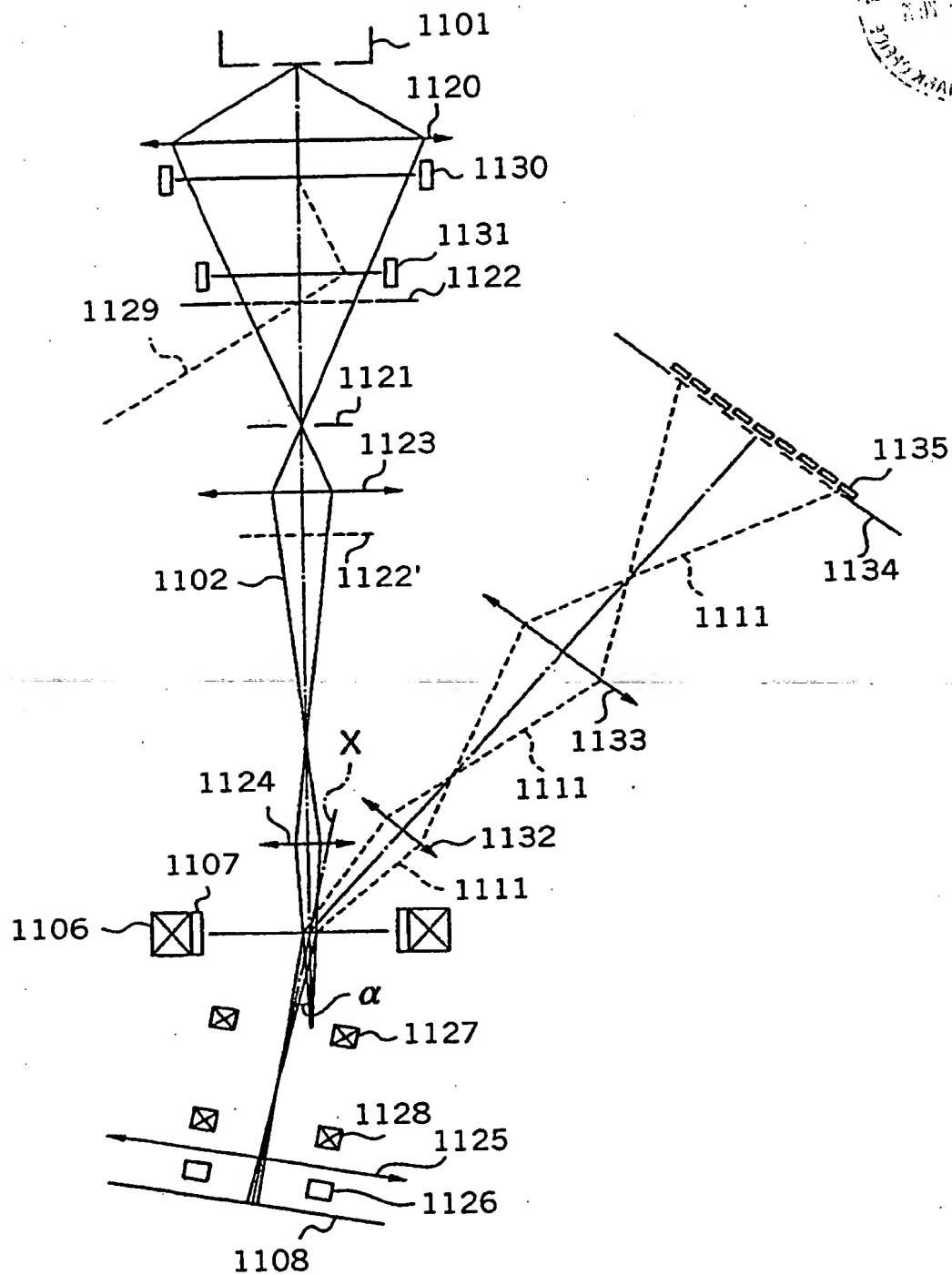


FIG. 23

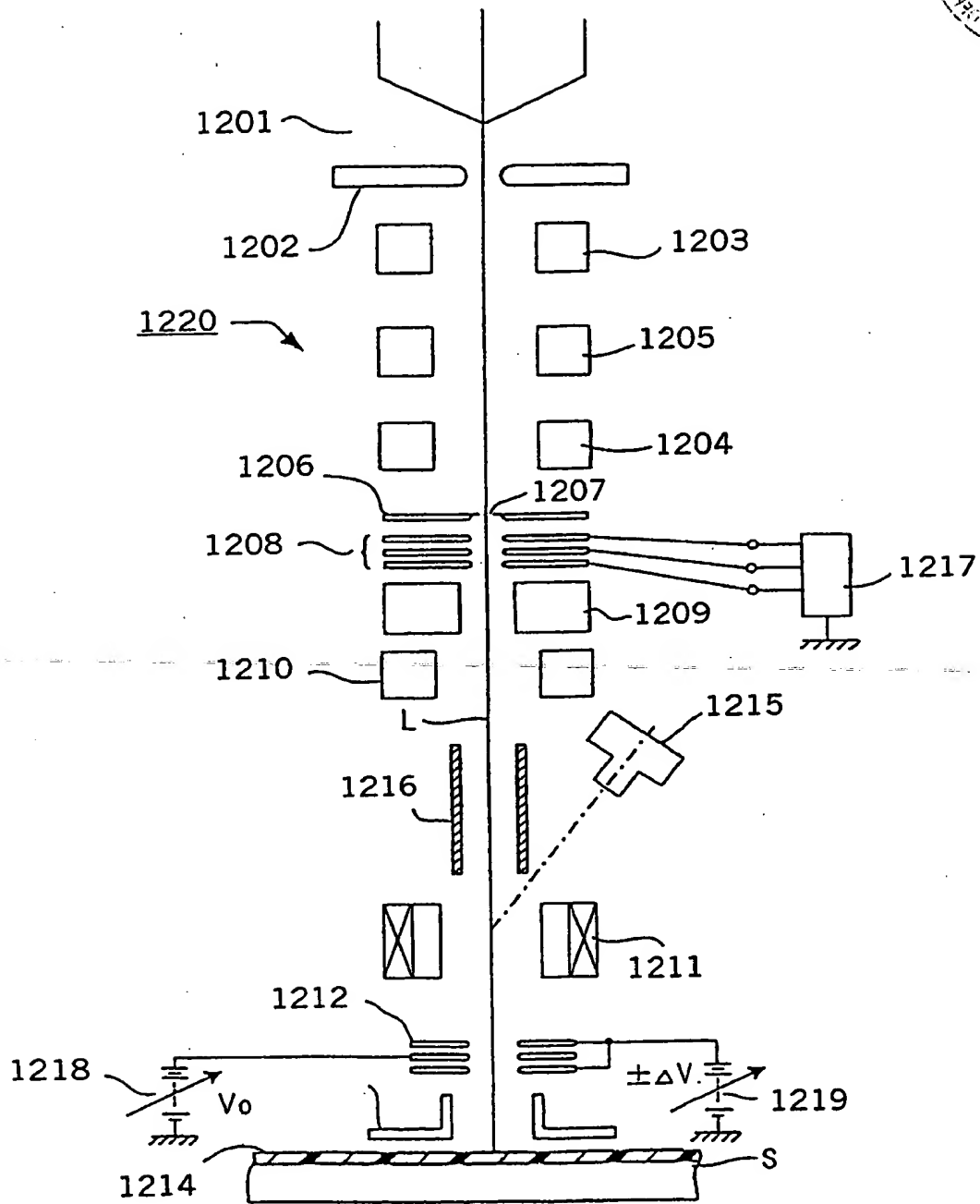


FIG. 24

SECRET 0101000

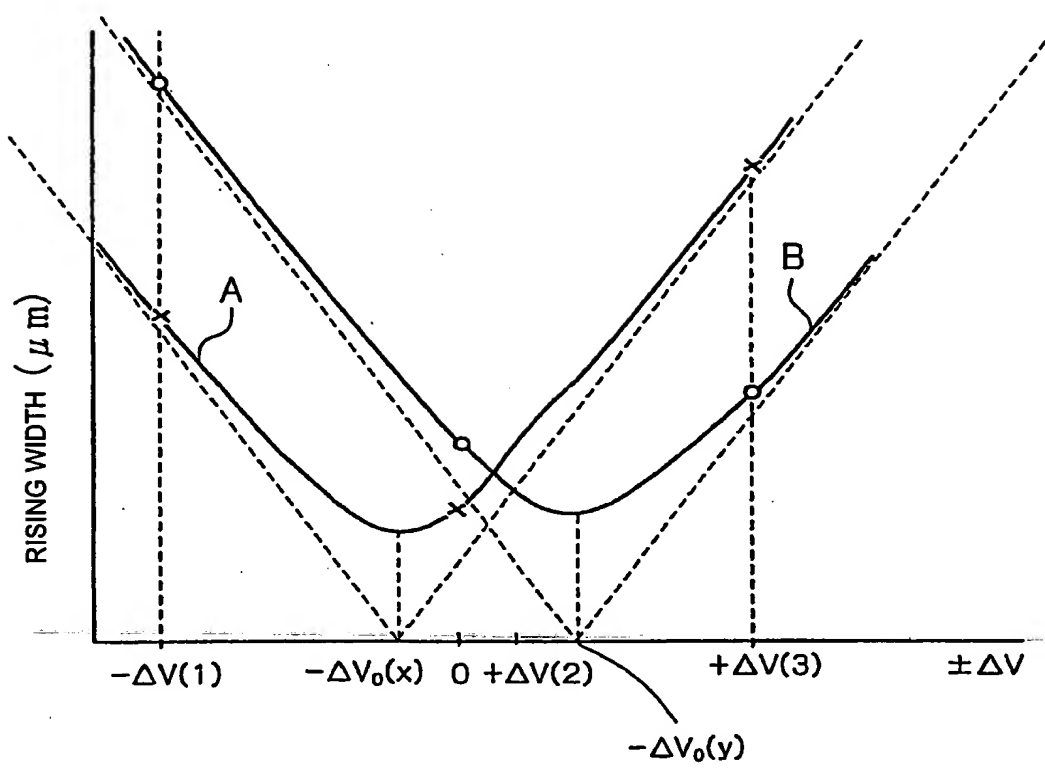


FIG. 25 (a)

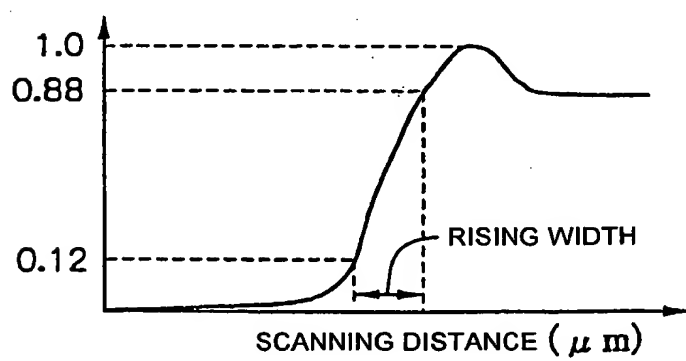


FIG. 25 (b)

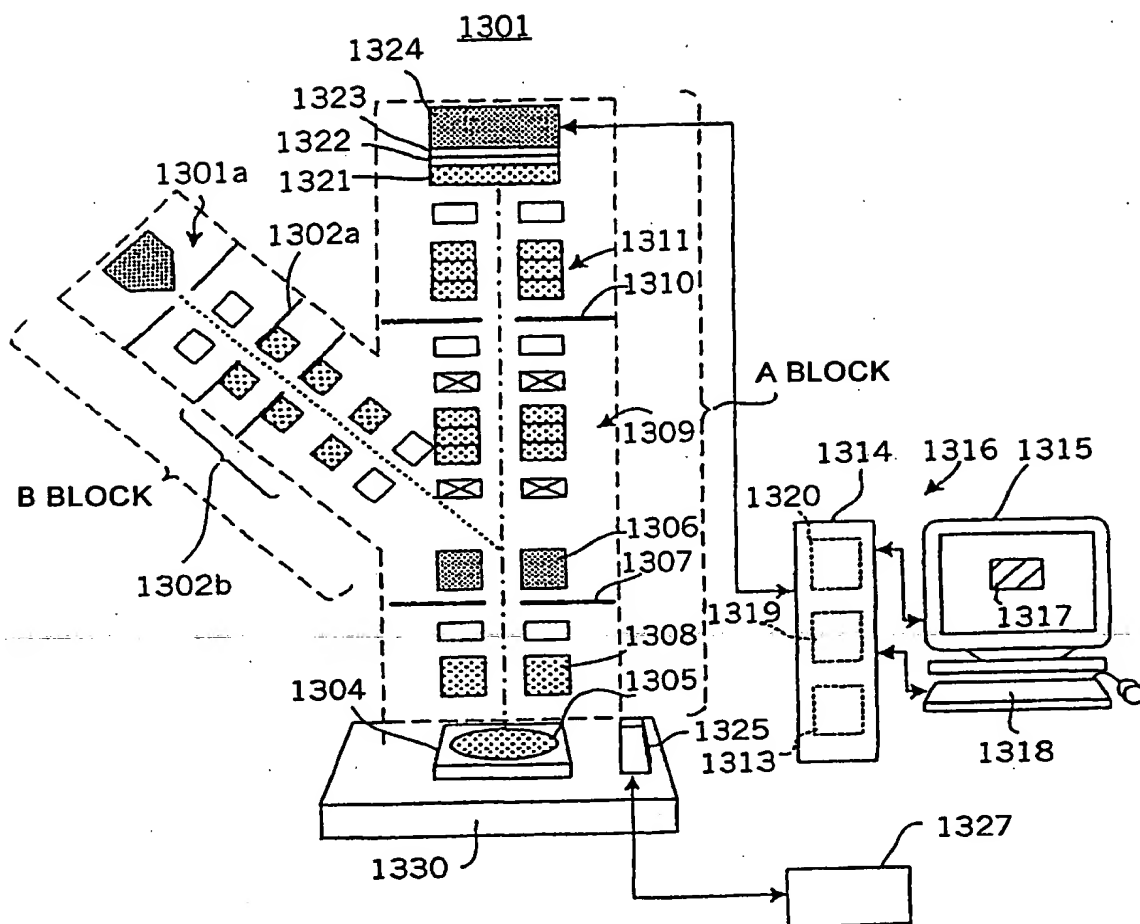


FIG. 26

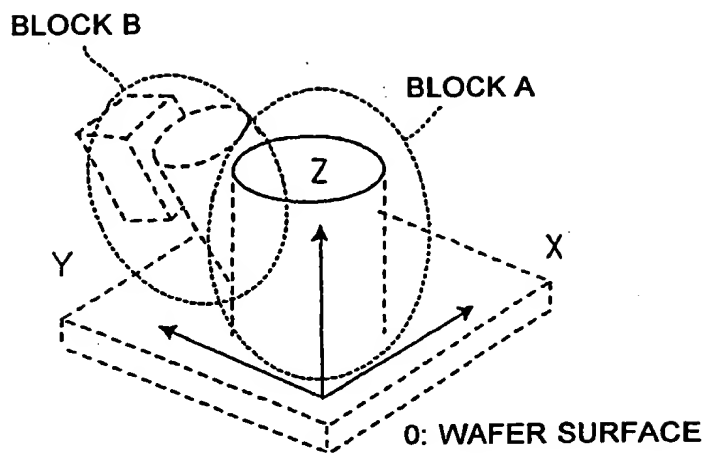


FIG. 27 (a)

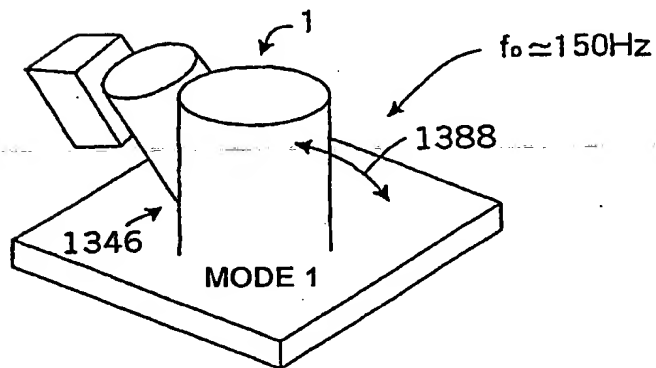


FIG. 27 (b)

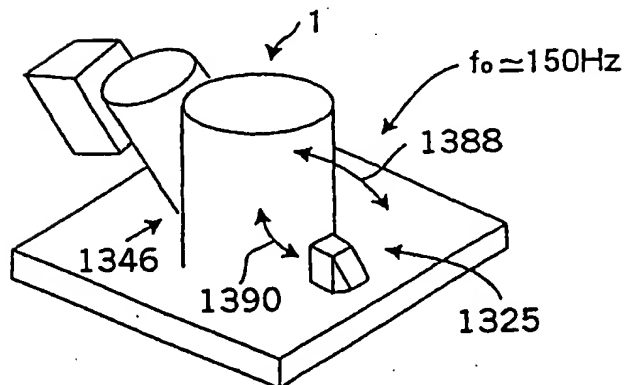


FIG. 27 (c)

FIG. 27 (a) 21916360

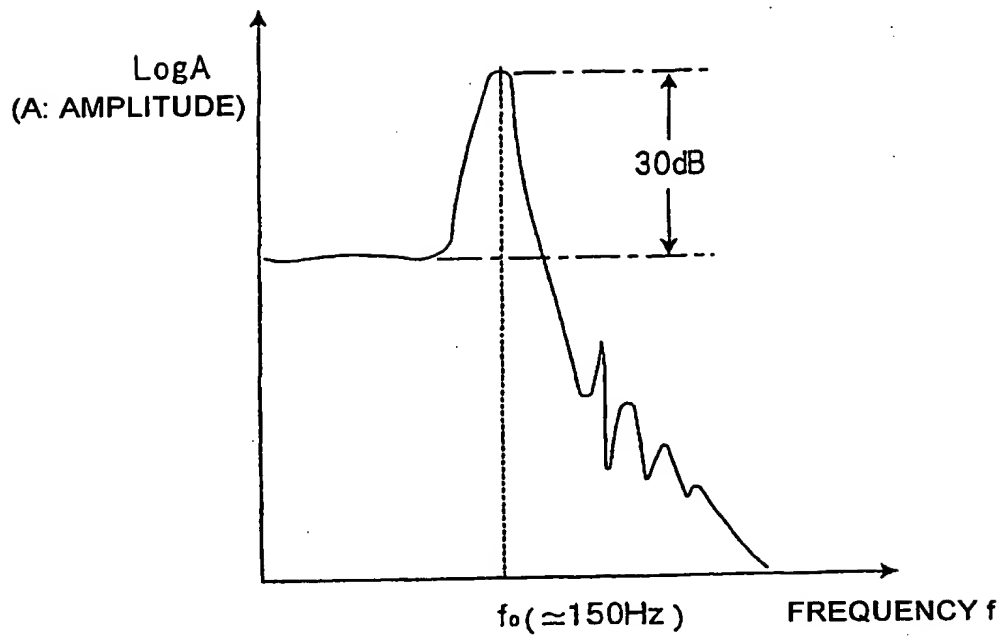


FIG. 29

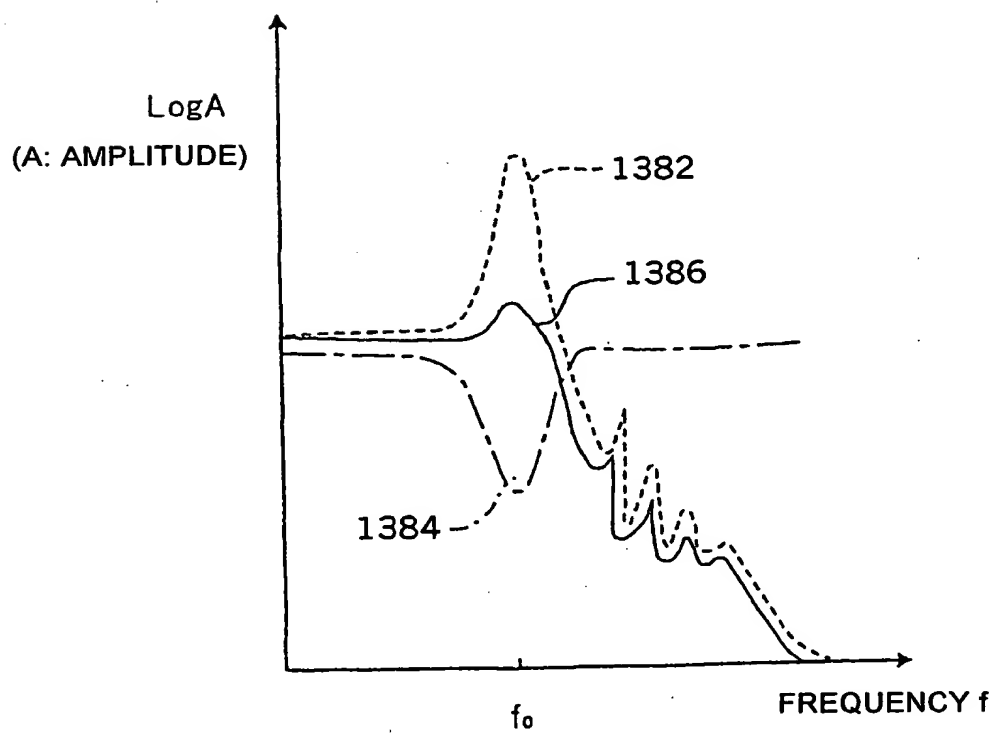
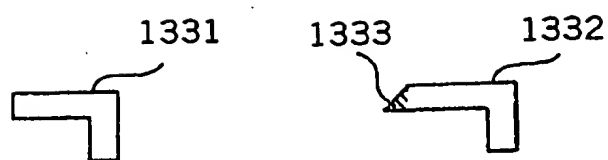


FIG. 30



The diagram shows a cross-section of a semiconductor device. A central vertical dashed line represents the p-n junction. To the left of the junction is a region labeled 1339, and to the right is a region labeled 1340. A horizontal line with arrows at both ends, labeled 1308, passes through the junction. Below the junction, there are two electrodes labeled 1341 and 1342. A curved line labeled 1343 is on the left, and a curved line labeled 1344 is on the right. A label 1305 is at the bottom left, and a label -10V is on the right. The text (0V) is at the bottom left, (LOWER POTENTIAL) is at the bottom center, and (HIGHER POTENTIAL) is at the bottom right.

FIG. 31 (c)

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"SECRET"

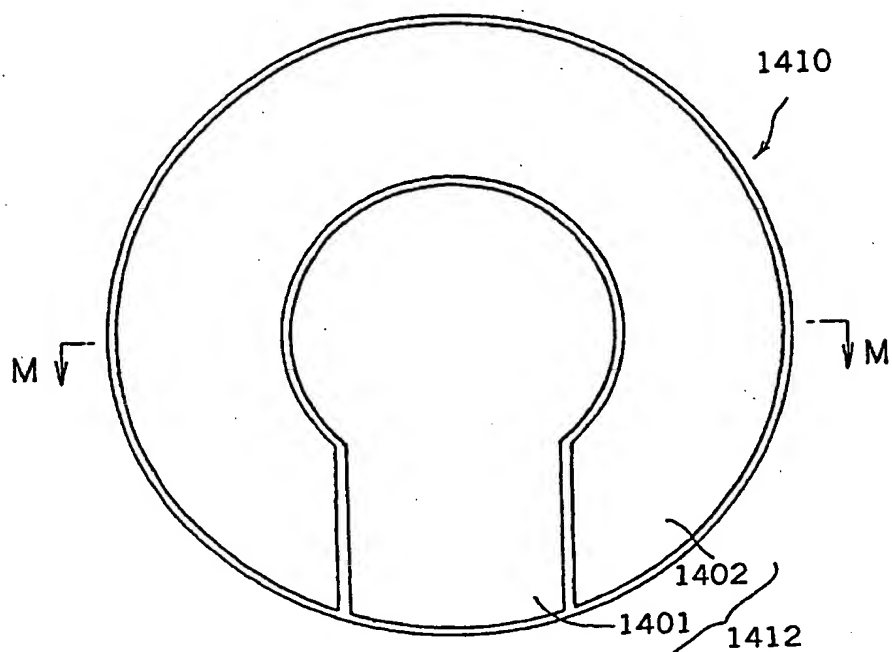


FIG. 32

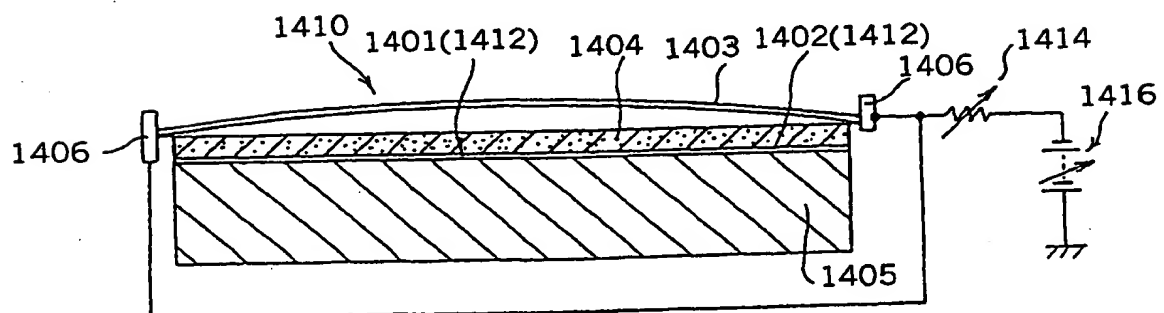


FIG. 33

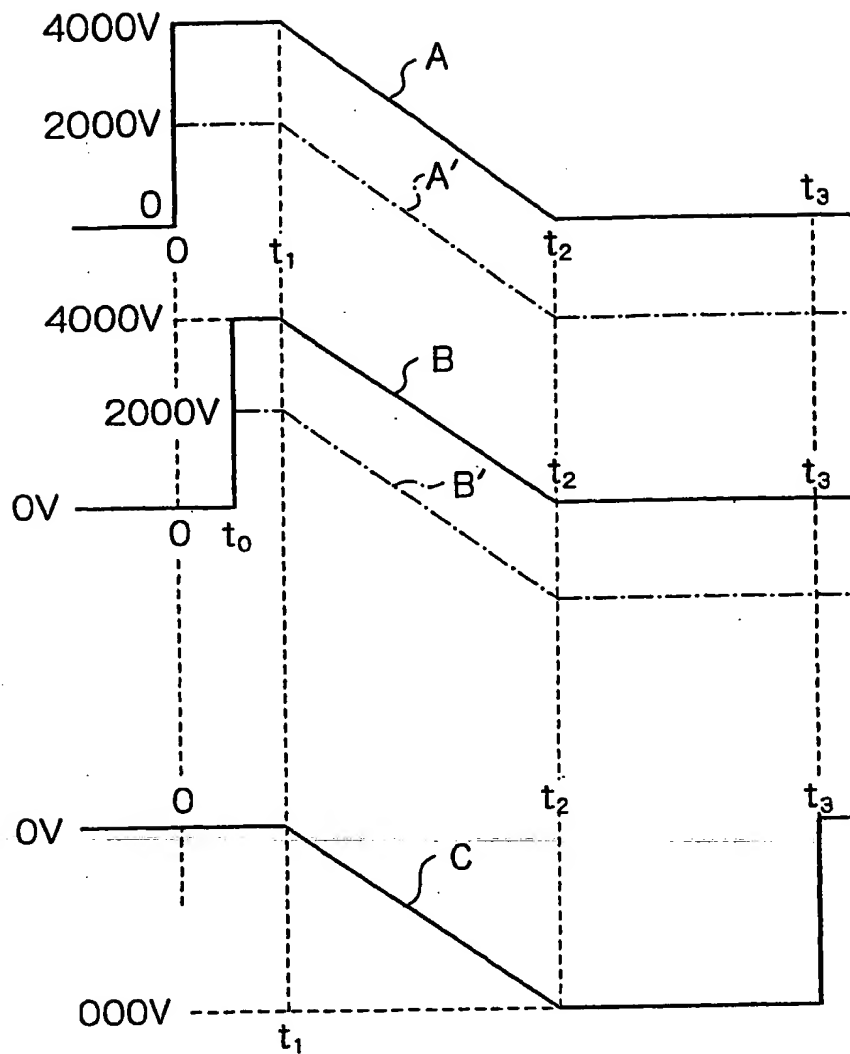


FIG. 34 (a)

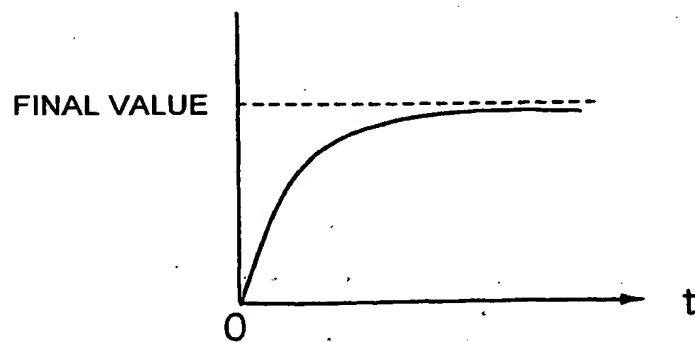


FIG. 34 (b)



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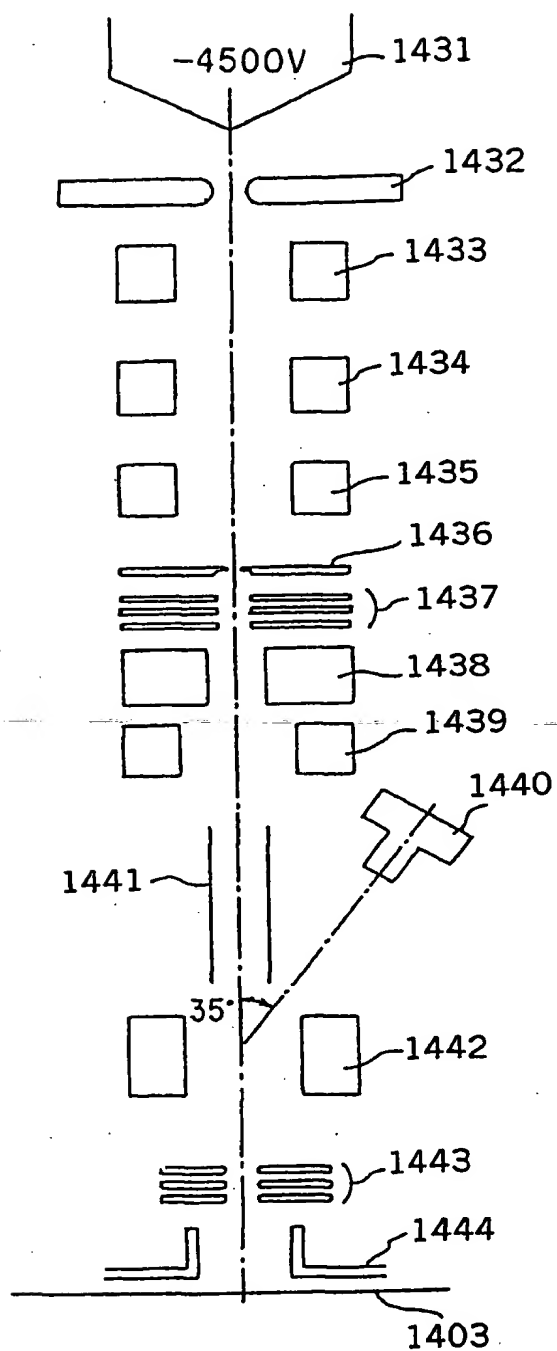
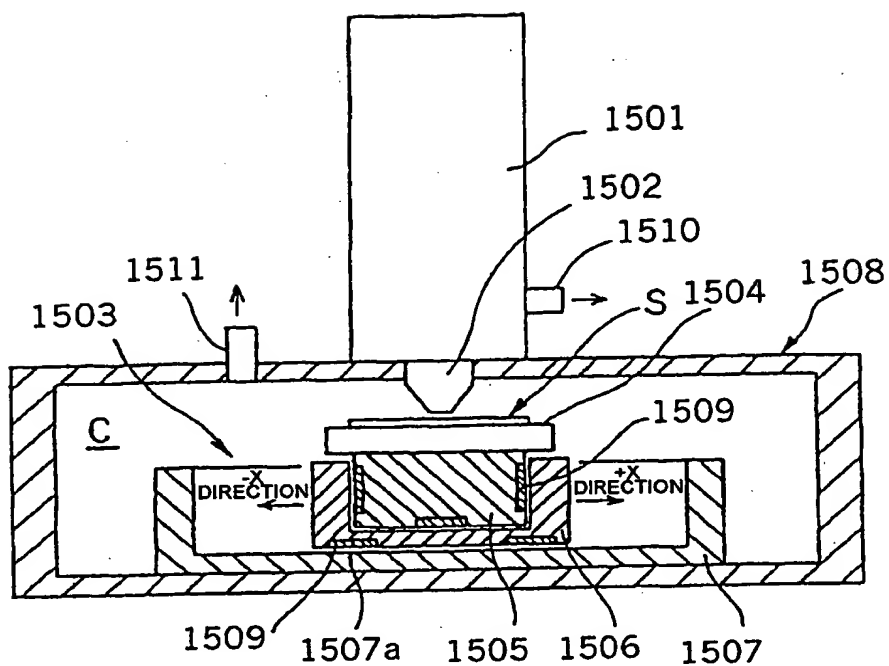


FIG. 35



A cross-sectional view of a device assembly 1500. A vertical member 1501 is positioned above a horizontal member 1502. A small gap or space is labeled 'S'. Below member 1502 is a rectangular block 1503. A thin layer 1504 is on top of block 1503. Below layer 1504 is a hatched region 1505. A horizontal arrow labeled 'DIRECTION' points to the left, and another horizontal arrow labeled 'DIRECTION' points to the right. The entire assembly is housed within a container 1506. The container has a base 1507 and side walls 1509. A small gap or space is labeled '1506a'.

FIG. 36 [B]

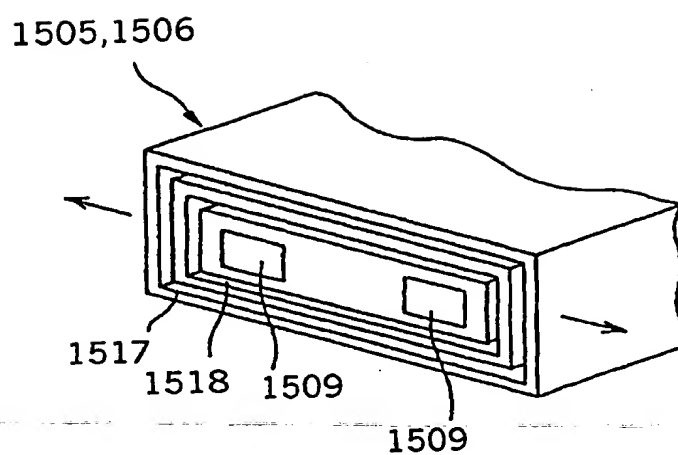
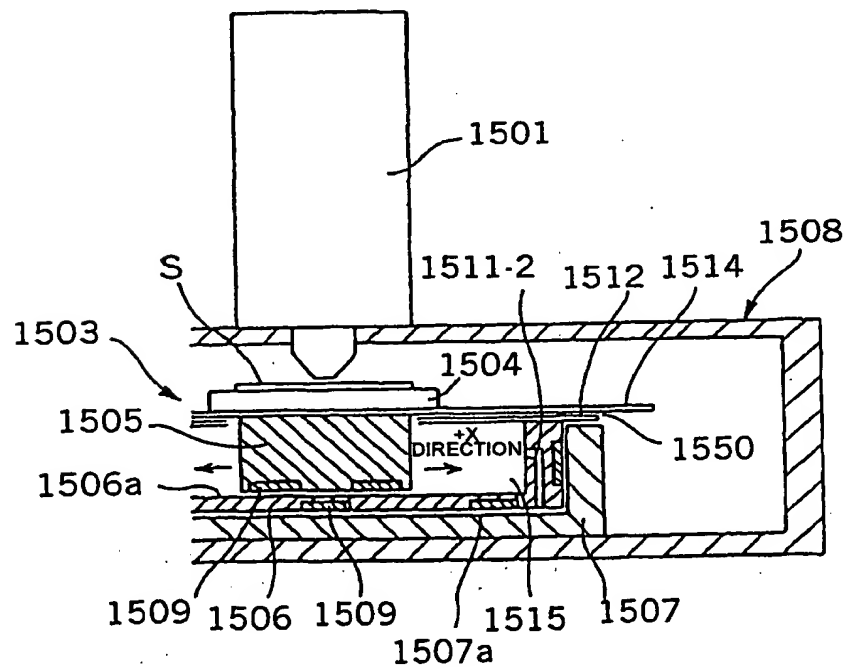
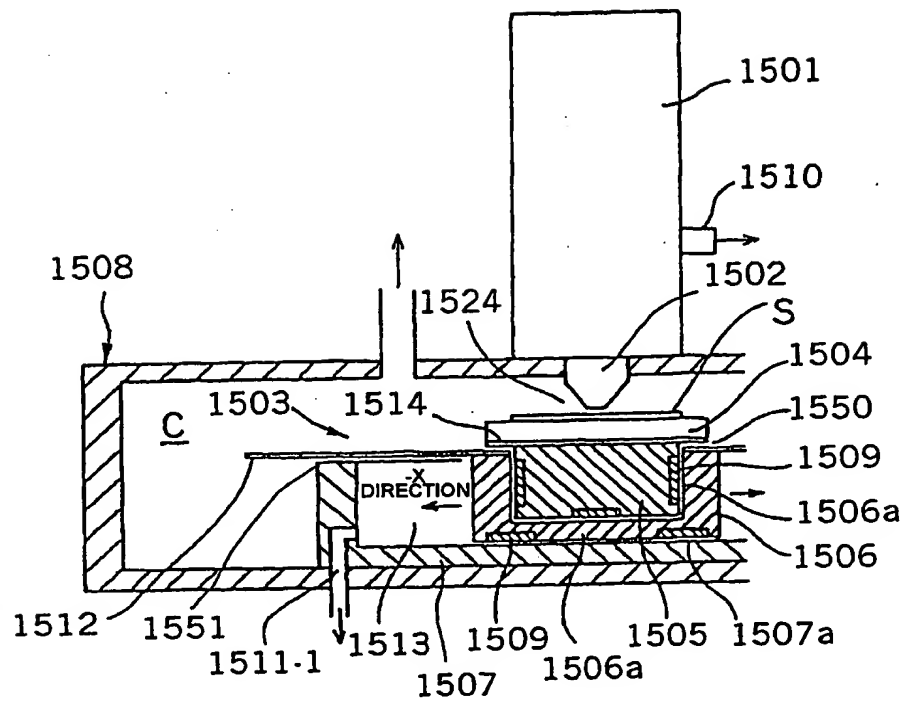
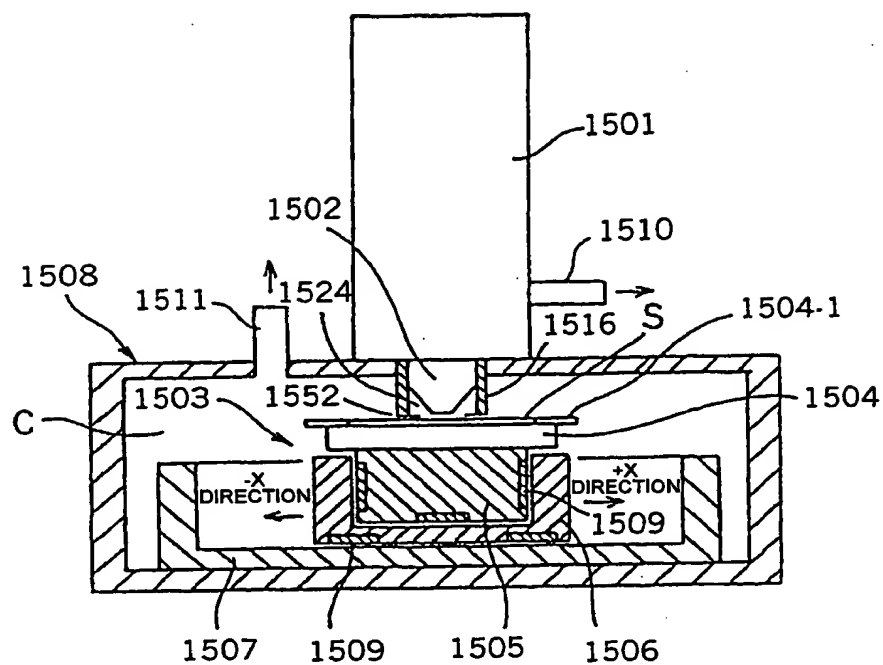


FIG. 37

"OFFICE" PATENT & TRADEMARK





A cross-sectional view of a semiconductor device 1500. A central vertical structure 1501 is surrounded by a layer 1502. Below this, a layer 1510 contains two horizontal structures 1523 and 1522, with arrows indicating a direction. A layer 1508 is above these. Below 1508 is a layer 1521. A central block 1509 is surrounded by a layer 1524. Below 1524 is a layer 1503. A layer 1507 is at the bottom. A layer 1506 is below 1503, with a hatched region 1506a. Arrows indicate a '-X DIRECTION' and a '+X DIRECTION'. A layer 1509 is also labeled at the bottom. A layer 1507a is at the very bottom. A layer 1511 is on the left side. A layer 1519 is on the right side. A layer 1520 is on the right side. A layer 1505 is at the bottom right. A layer 1509 is at the bottom center. A layer 1506 is at the bottom left. A layer 1507 is at the bottom left. A layer 1507a is at the bottom left. A layer 1509 is at the bottom center. A layer 1506 is at the bottom left. A layer 1507 is at the bottom left. A layer 1507a is at the bottom left.

FIG. 40

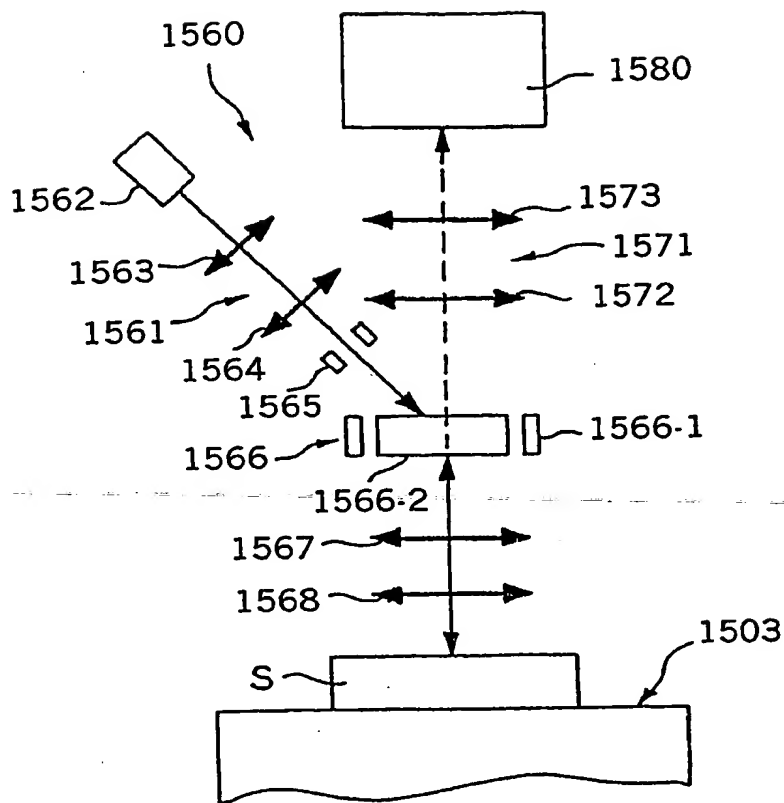


FIG. 43

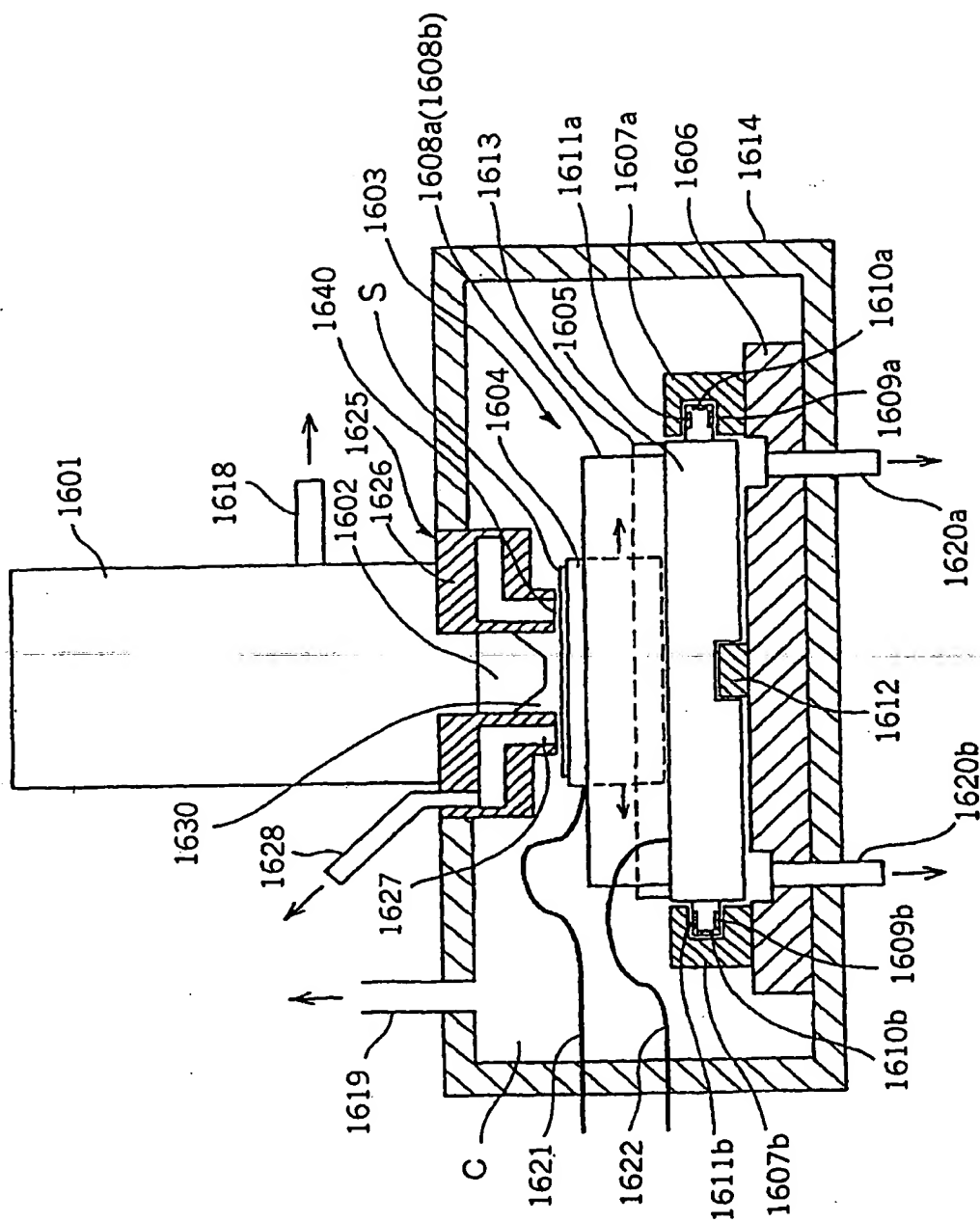


FIG. 44



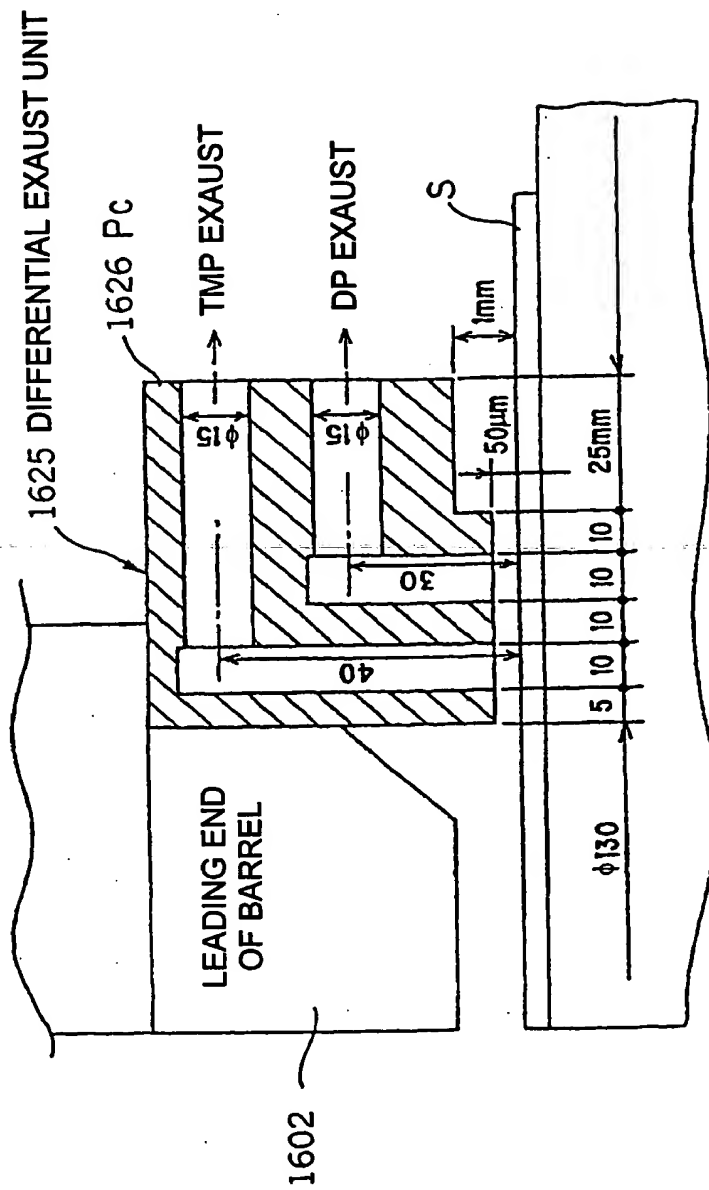


FIG. 45



FIG. 47

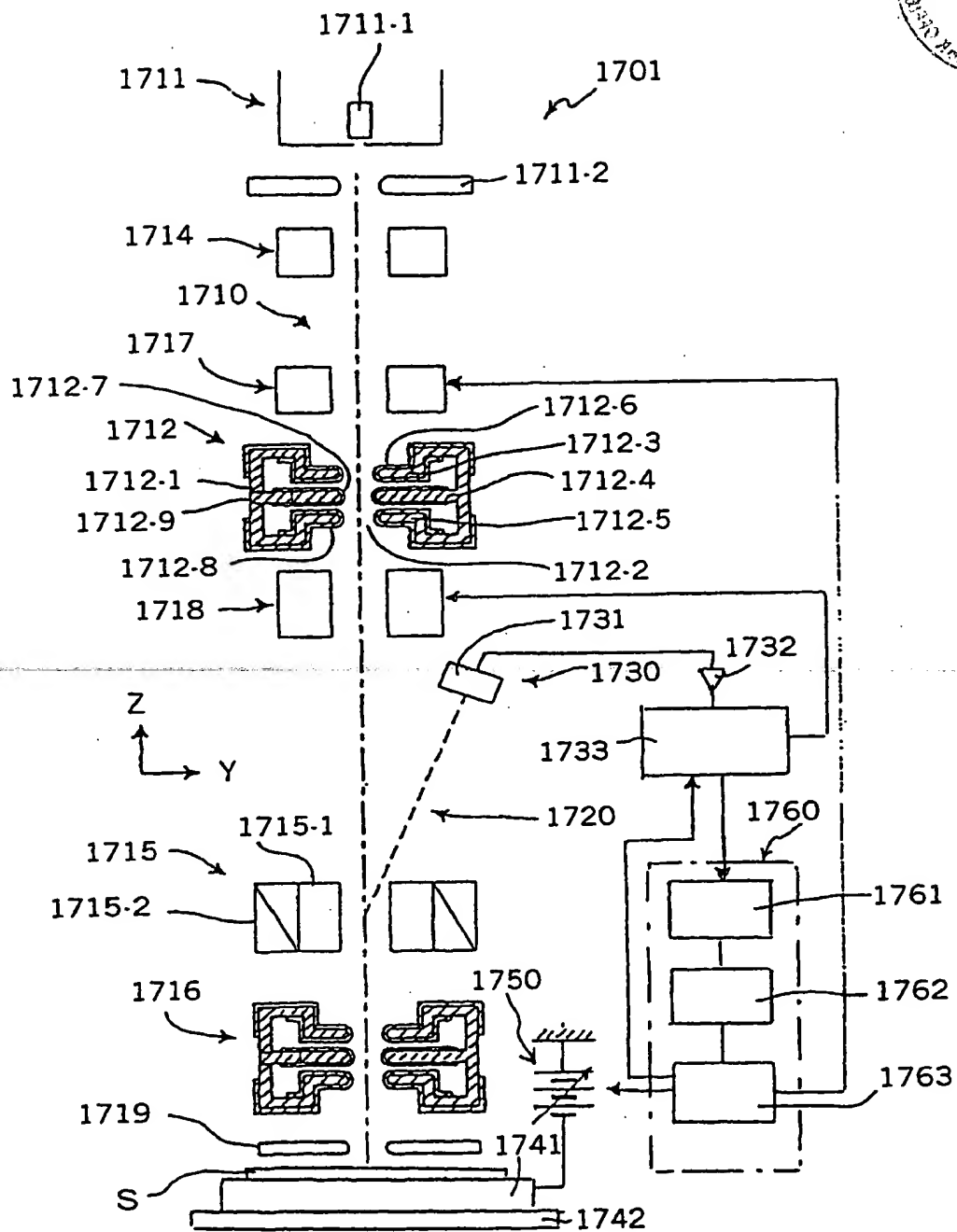


FIG. 47

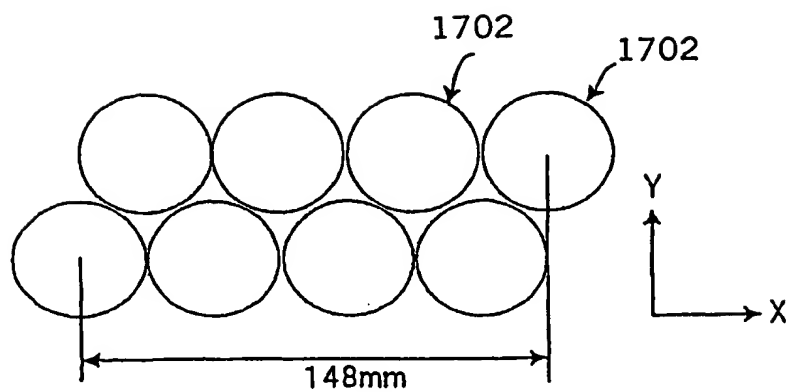
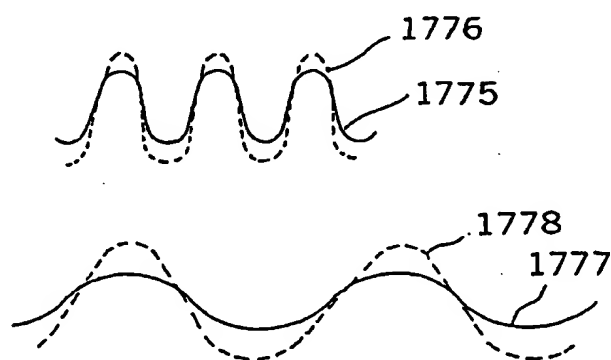
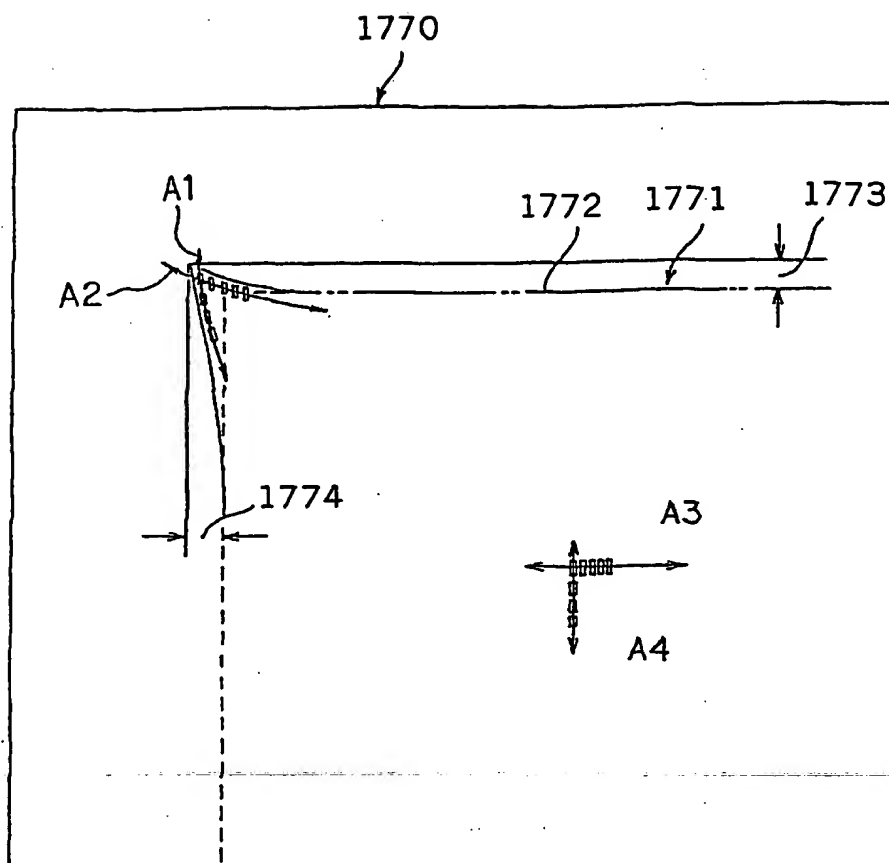


FIG. 48



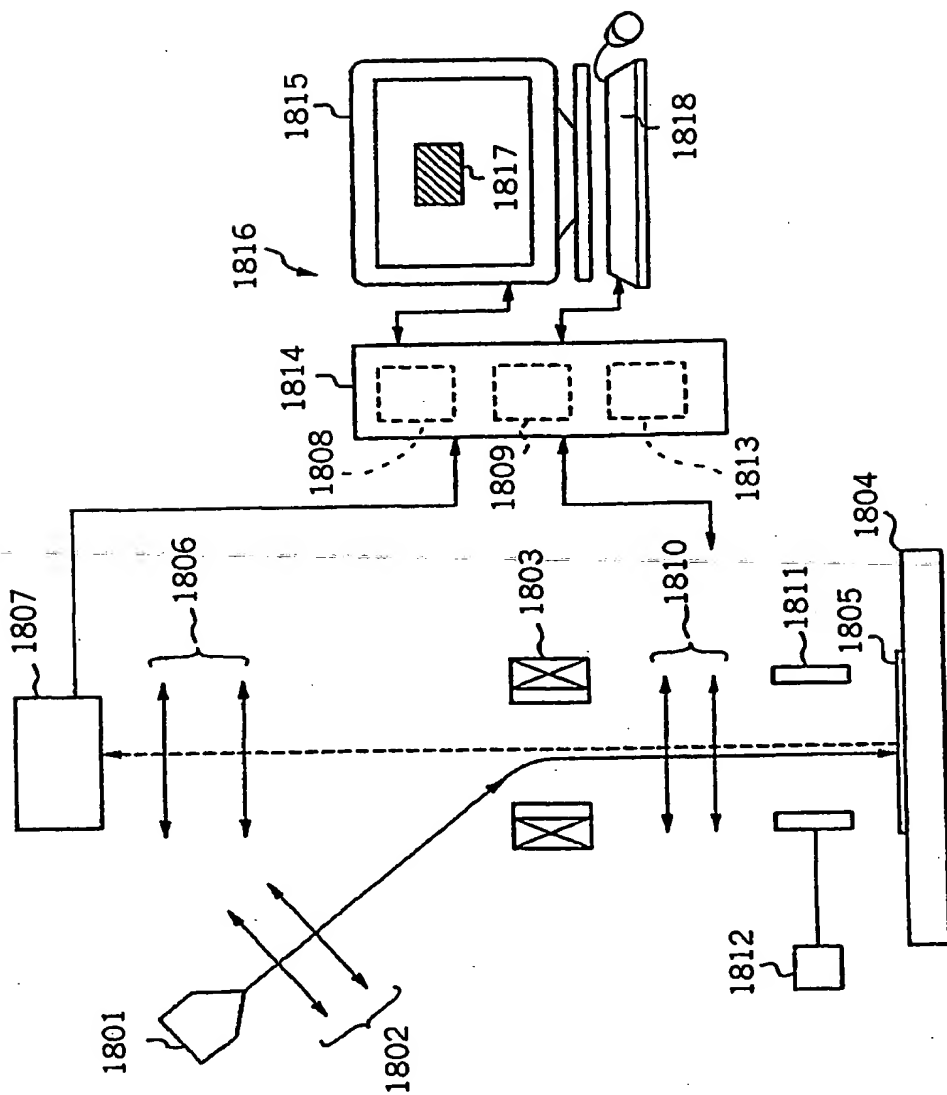


FIG. 50



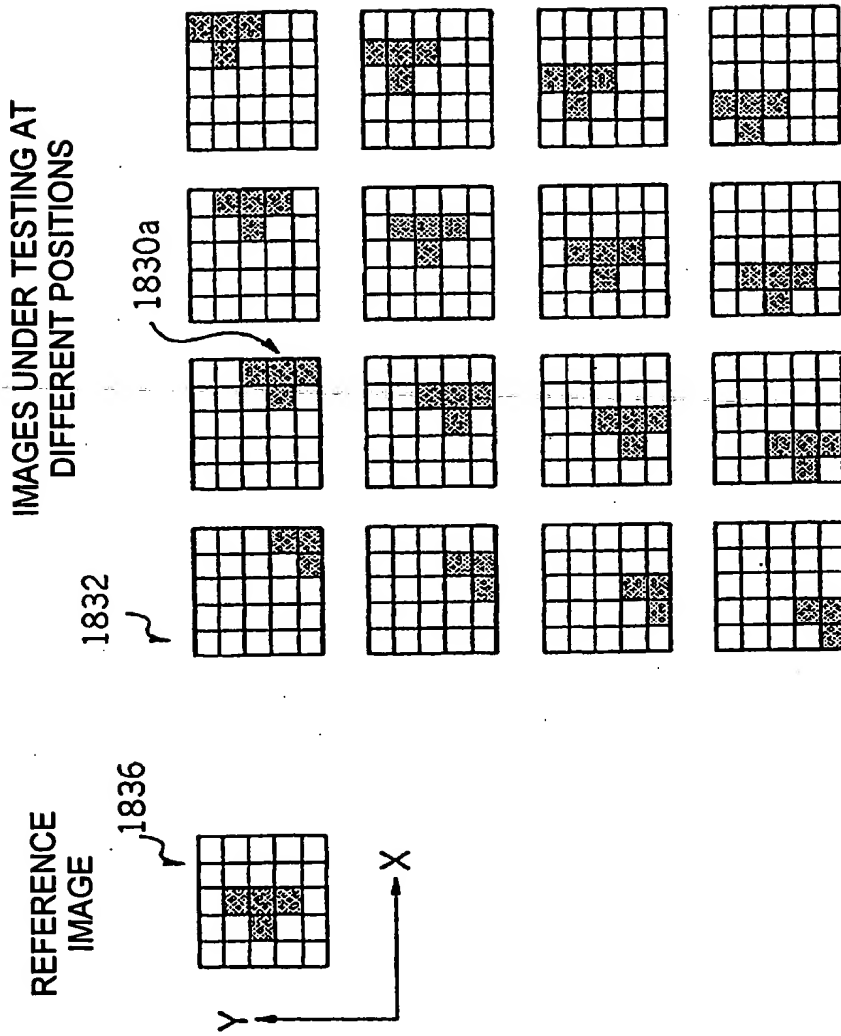


FIG. 51



FIG. 52

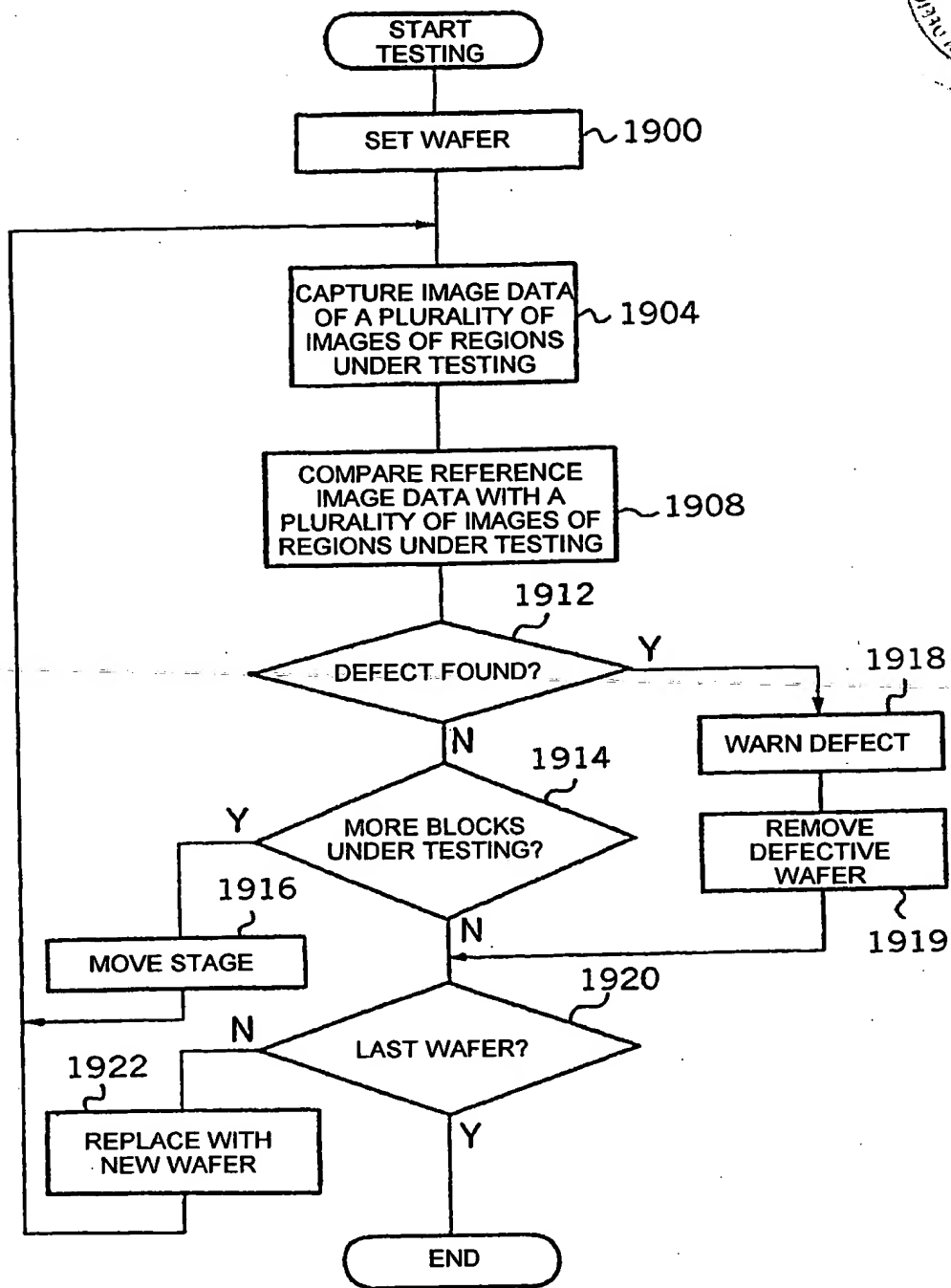
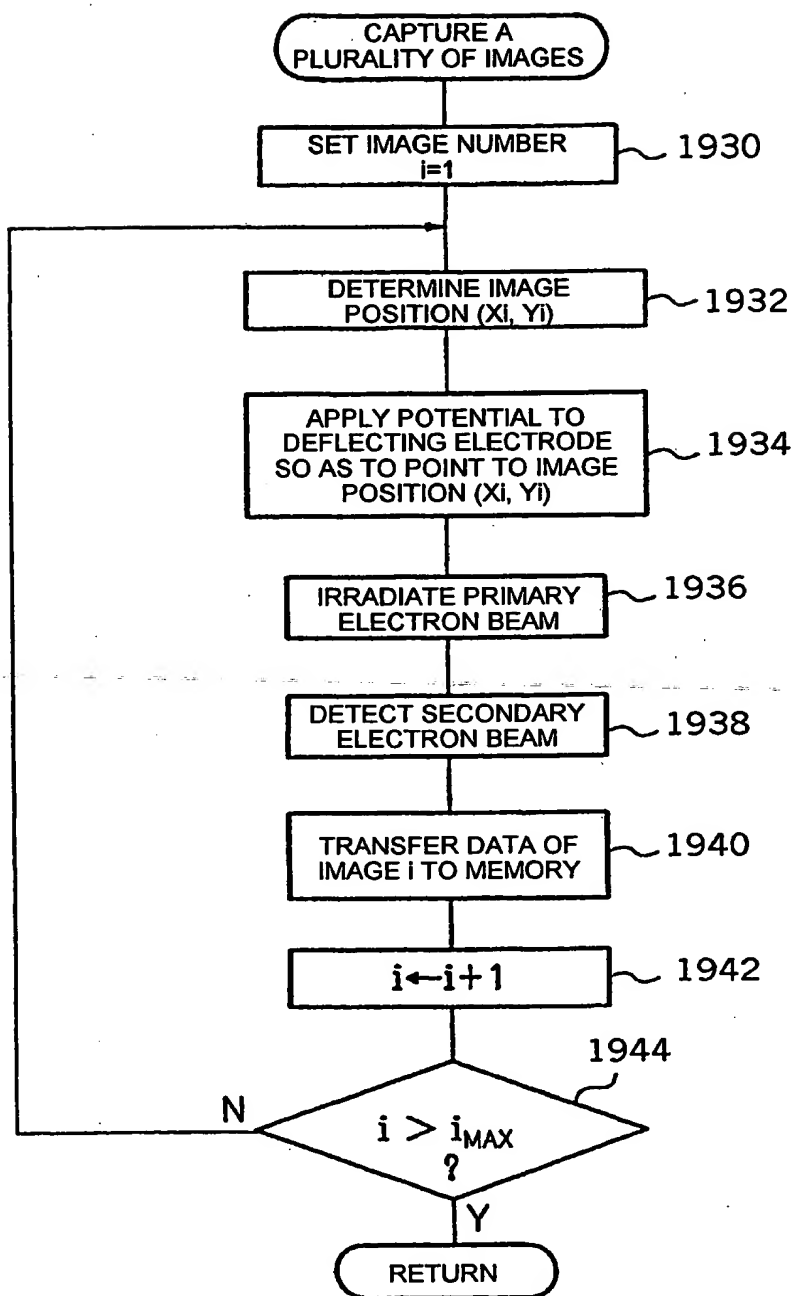


FIG. 52



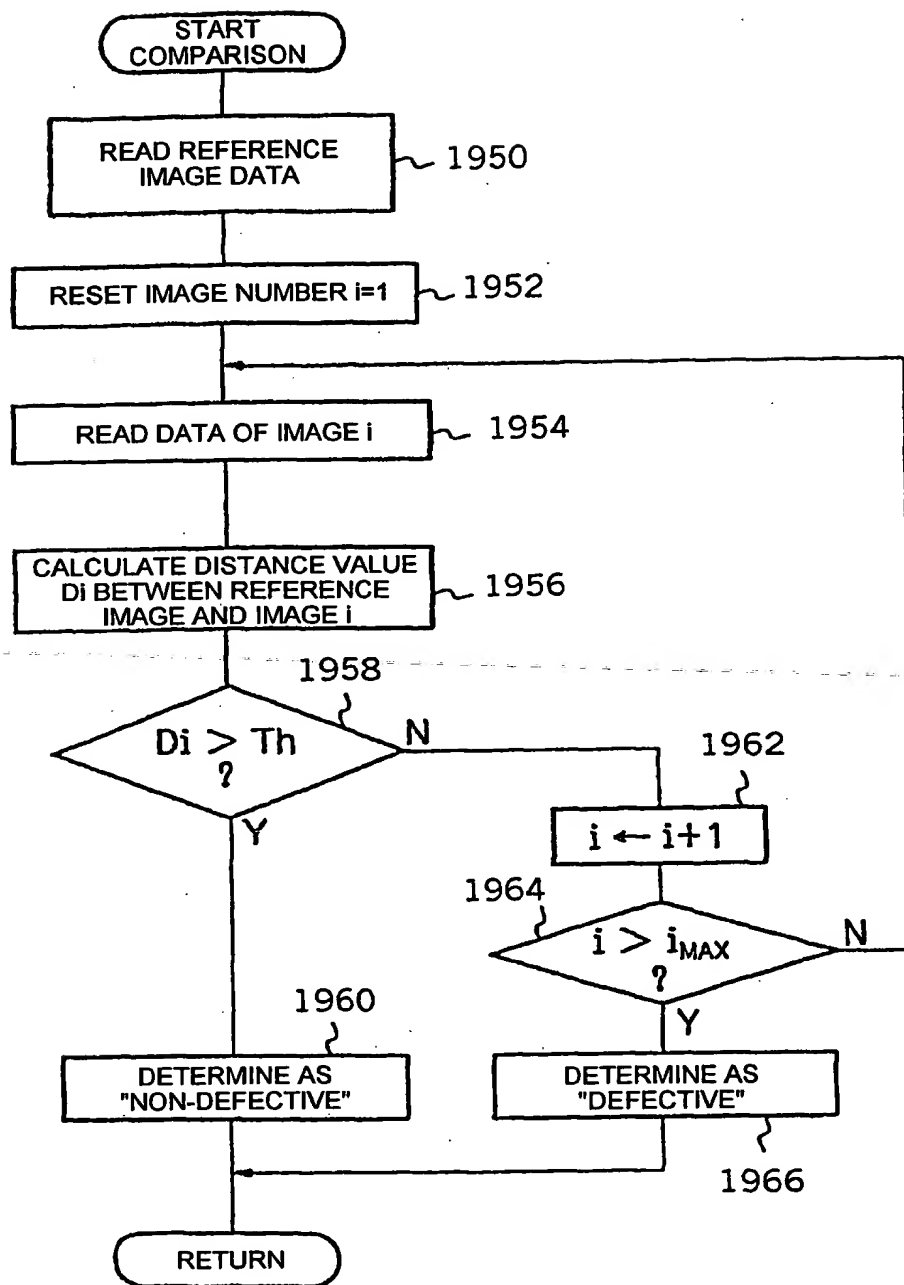


FIG. 54

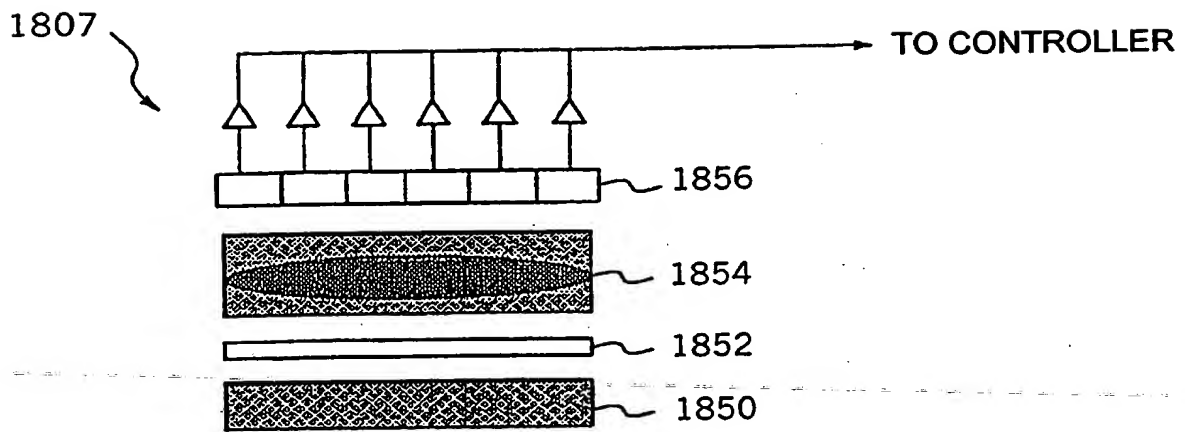


FIG. 55

FIG. 56

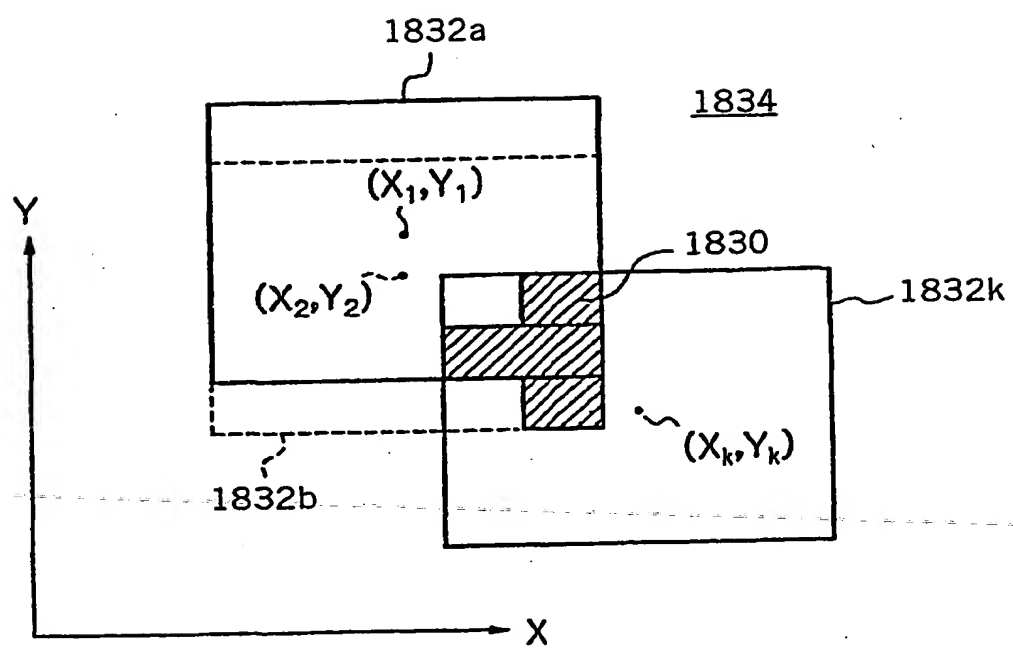


FIG. 56